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Fairbanks	3-38054-X	VPG BLH	C3P1 Compression Canister	191
Fairbanks	657090, 657091	VPG BLH	T2P1 Tension Canister	192
Fairbanks	3-39897-X, 3-40766-X	VPG BLH	T3P1 Tension Canister	193
HBM	C10	VPG BLH	C2P1 Compression Canister	190
HBM	Z6	VPG Celtron	HBB Single-Ended Beam	206
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Rice Lake	RL20001	VPG Celtron	STC S-Beam	199
Rice Lake	RL35023	VPG Celtron	SQB Single-Ended Shear Beam	202
Rice Lake	RLHBB	VPG Celtron	HBB Single-Ended Beam	206
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Rice Lake	RL75058	VPG Celtron	CLB Double-Ended Beam	211
Rice Lake	RL75040	VPG Celtron	DLB Double-Ended Beam	212
Rice Lake	RL1521A	VPG Celtron	LPS Single Point	213
Rice Lake	RL1040	VPG Celtron	LOC Single Point	214
Rice Lake	RL1250	VPG Celtron	LOC Single Point Heavy Capacity	215
Rice Lake	RLPWM12	VPG Celtron	LOC Single Point Heavy Capacity	215
Rice Lake	RL90000	VPG Celtron	LCD Compression Disk	217
Streeter Richardson	2011611, 2011612	VPG BLH	C2P1 Compression Canister	190
Streeter Richardson	2011613, 2011614, 201617	VPG BLH	C2P1 Compression Canister	190
Streeter Richardson	2011711, 2011712	VPG BLH	T2P1 Tension Canister	192
Streeter Richardson	20117XX	VPG BLH	T3P1 Tension Canister	193
Thurman	TSC 840	VPG Celtron	DLB Double-Ended Beam	212
VPG BLH	C2G1	VPG Celtron	LPS Single Point	213
VPG Revere	CBU	VPG Celtron	MBB Single-Ended Beam	210
VPG Revere	SHB	VPG Celtron	HBB Single-Ended Beam	206
VPG Revere	5203	VPG Celtron	DSR Double-Ended Shear Beam	208
VPG Revere	9203	VPG Celtron	DSR-HSS Double-Ended Shear Beam	209
VPG Sensortronics	60063	VPG Celtron	STC Low Capacity S-Beam	198
VPG Sensortronics	60001	VPG Celtron	STC S-Beam	199
VPG Sensortronics	60050	VPG Celtron	STC SS S-Beam	200
VPG Sensortronics	65023	VPG Celtron	SQB Single-Ended Shear Beam	202
VPG Sensortronics	65007	VPG Celtron	MBB Single-Ended Beam	210
VPG Sensortronics	65016	VPG Celtron	DSR Double-Ended Shear Beam	208
VPG Sensortronics	65016W	VPG Celtron	DSR-HSS Double-Ended Shear Beam	209
VPG Sensortronics	65058	VPG Celtron	CLB Double-Ended Beam	211
VPG Sensortronics	65040A	VPG Celtron	DLB Double-Ended Beam	212
VPG Tedeo-Huntleigh	355	VPG Celtron	HBB Single-Ended Beam	206
VPG Tedeo-Huntleigh	1022	VPG Celtron	LPS Single Point	213
VPG Tedeo-Huntleigh	1040	VPG Celtron	LOC Single Point	214
VPG Tedeo-Huntleigh	1250	VPG Celtron	LOC Single Point Heavy Capacity	215
VPG Tedeo-Huntleigh	1320	VPG Celtron	HOC Single Point	216
VPG/HBM	PW12	VPG Celtron	LOC Single Point Heavy Capacity	215

## Interchangeable Products VPG Celtron

Manufacturer	Model	Manufacturer	Model	Page #
HBM	Z6	VPG Celtron	HBB Single-Ended Beam	206
Interface	MB	VPG Celtron	MBB Single-Ended Beam	210
NMB	C2G1	VPG Celtron	LPS Single Point	213
Rice Lake	RL20000	VPG Celtron	STC Low Capacity S-Beam	198
Rice Lake	RL20001	VPG Celtron	STC S-Beam	199
Rice Lake	RL35023	VPG Celtron	SQB Single-Ended Shear Beam	202
Rice Lake	RLHBB	VPG Celtron	HBB Single-Ended Beam	206
Rice Lake	RL75016	VPG Celtron	DSR Double-Ended Shear Beam	208
Rice Lake	RL75016SS	VPG Celtron	DSR-HSS Double-Ended Shear Beam	209
Rice Lake	RL75058	VPG Celtron	CLB Double-Ended Beam	211
Rice Lake	RL75040	VPG Celtron	DLB Double-Ended Beam	212
Rice Lake	RL1521A	VPG Celtron	LPS Single Point	213
Rice Lake	RL1040	VPG Celtron	LOC Single Point	214
Rice Lake	RL1250	VPG Celtron	LOC Single Point Heavy Capacity	215
Rice Lake	RLPWM12	VPG Celtron	LOC Single Point Heavy Capacity	215
Rice Lake	RL90000	VPG Celtron	LCD Compression Disk	217
Thurman	TSC 840	VPG Celtron	DLB Double-Ended Beam	212
VPG BLH	C2G1	VPG Celtron	LPS Single Point	213
VPG Revere	CBU	VPG Celtron	MBB Single-Ended Beam	210
VPG Revere	SHB	VPG Celtron	HBB Single-Ended Beam	206
VPG Revere	5203	VPG Celtron	DSR Double-Ended Shear Beam	208
VPG Revere	9203	VPG Celtron	DSR-HSS Double-Ended Shear Beam	209
VPG Sensortronics	60063	VPG Celtron	STC Low Capacity S-Beam	198
VPG Sensortronics	60001	VPG Celtron	STC S-Beam	199
VPG Sensortronics	60050	VPG Celtron	STC SS S-Beam	200
VPG Sensortronics	65023	VPG Celtron	SQB Single-Ended Shear Beam	202
VPG Sensortronics	65007	VPG Celtron	MBB Single-Ended Beam	210
VPG Sensortronics	65016	VPG Celtron	DSR Double-Ended Shear Beam	208
VPG Sensortronics	65016W	VPG Celtron	DSR-HSS Double-Ended Shear Beam	209
VPG Sensortronics	65058	VPG Celtron	CLB Double-Ended Beam	211
VPG Sensortronics	65040A	VPG Celtron	DLB Double-Ended Beam	212
VPG Tedea-Huntleigh	355	VPG Celtron	HBB Single-Ended Beam	206
VPG Tedea-Huntleigh	1022	VPG Celtron	LPS Single Point	213
VPG Tedea-Huntleigh	1040	VPG Celtron	LOC Single Point	214
VPG Tedea-Huntleigh	1250	VPG Celtron	LOC Single Point Heavy Capacity	215
VPG Tedea-Huntleigh	1320	VPG Celtron	HOC Single Point	216
VPG/HBM	PW12	VPG Celtron	LOC Single Point Heavy Capacity	215

## Interchangeable Products Flintec

Manufacturer	Model	Manufacturer	Model	Page #
Fairbanks	LCF-HR4050-3	Flintec	SLB Single-Ended Beam	224
Fairbanks	LCF-HR4020-1	Flintec	RC1 Rocker Column	231
Fairbanks	LCFHR4020-2A	Flintec	RC3 Rocker Cell	232
Rice Lake	RL1250	Flintec	PCB Single Point	233
Rice Lake	RLPC6	Flintec	PC6 Single Point	235
VPG Celtron	LOC	Flintec	PCB Single Point	233
VPG Tedea-Huntleigh	1250	Flintec	PCB Single Point	233

# Interchangeable Products HBM

Manufacturer	Model	Manufacturer	Model	Page #
Fairbanks	3-481XX-1, 3-486XX-1	HBM	BBS Single-Ended Beam	249
Fairbanks	3-53581-X, 3-52921-1	HBM	BLF Single-Ended Beam	250
HBM	SS4	HBM	PW15 Single Point	256
Mettler Toledo	TB601019-008 (500 lb, 2,500 lb, 5,000 lb)	HBM	H35 Single-Ended Beam	244
Mettler Toledo	TB601016-020 (1,000 lb, 4,000 lb)	HBM	H35 Single-Ended Beam	244
Mettler Toledo	TB600529 (500 lb)	HBM	THC Single-Ended Beam	246
Mettler Toledo	TB600363 (1,250 lb)	HBM	THC Single-Ended Beam	246
Mettler Toledo	TB600342 (2,500 lb)	HBM	THC Single-Ended Beam	246
Mettler Toledo	TB60061 (4,000 lb)	HBM	THC Single-Ended Beam	246
Mettler Toledo	TB600343 (5,000 lb)	HBM	THC Single-Ended Beam	246
Mettler Toledo	TB600364 (10,000 lb)	HBM	THC Single-Ended Beam	246
Rice Lake	RL39123	HBM	B35 Single-Ended Beam	245
Rice Lake	RL30745	HBM	THC Single-Ended Beam	246
Rice Lake	RL35023	HBM	A35 Single-Ended Beam	247
Rice Lake	RLBLC	HBM	BLC Single-Ended Beam	248
Rice Lake	RL40BBS	HBM	BBS Single-Ended Beam	249
Rice Lake	RLHBB	HBM	Z6 Single-Ended Beam	251
Rice Lake	RLSP4	HBM	SP4 Single Point	254
Rice Lake	RL1042	HBM	SP4 Single Point	254
Rice Lake	RLPWM12	HBM	PW12 Single Point	255
Rice Lake	RL1250	HBM	PW12 Single Point	255
Rice Lake	RLPWM16	HBM	PW16 Single Point	257
Rice Lake	RL1260	HBM	PW16 Single Point	257
Rice Lake	RLPWM15	HBM	PW15AH Single Point	258
Rice Lake	RL1380	HBM	PWS Single Point	259
VPG BLH	LBG1	HBM	BBS Single-Ended Beam	249
VPG Celtron	HBB	HBM	Z6 Single-Ended Beam	251
VPG Revere	9123	HBM	B35 Single-Ended Beam	245
VPG Revere	SHB	HBM	Z6 Single-Ended Beam	251
VPG Sensortronics	65023	HBM	A35 Single-Ended Beam	247
VPG Sensortronics	60007	HBM	BBS Single-Ended Beam	249
VPG Tedeo-Huntleigh	355	HBM	Z6 Single-Ended Beam	251
VPG Tedeo-Huntleigh	1042	HBM	SP4 Single Point	254
VPG Tedeo-Huntleigh	1250	HBM	PW12 Single Point	255
VPG Tedeo-Huntleigh	1260	HBM	PW16 Single Point	257
VPG Celtron	SQB	HBM	A35 Single-Ended Beam	247

# Interchangeable Products VPG Revere

Manufacturer	Model	Manufacturer	Model	Page #
Artech	30310	VPG Revere	5123 Single-Ended Beam	273
Artech	30410	VPG Revere	5723 Link Beam	279
Artech	90210	VPG Revere	CP Compression Canister	291
Artech	90310	VPG Revere	CSP Compression Canister	292
Artech	90405	VPG Revere	792 Compression Canister	293
Cardinal	CP1	VPG Revere	CP Compression Canister	291
HBM	B35	VPG Revere	9123 Single-Ended Beam	274
HBM	Z6	VPG Revere	SHB Single-Ended Beam	280
HBM	SB3	VPG Revere	SSB Single-Ended Beam	281
Howe Richardson	20908XXX	VPG Revere	CP Compression Canister	291
Howe Richardson	244699-000X	VPG Revere	CSP Compression Canister	292
NV Technology	BLC-2-XX-N	VPG Revere	9803 Double-Ended Beam	286
NV Technology	BLC-1-N-WP	VPG Revere	9323 Double-Ended Beam	287
NV Technology	BLC-1-N	VPG Revere	9423 Double-Ended Beam	288
VPG Revere	5102	VPG Revere	9102 Single-Ended Beam	277
VPG Revere	9102	VPG Revere	5102 Single-Ended Beam	278
VPG Revere	392B	VPG Revere	CP Compression Canister	291
VPG Revere	692B	VPG Revere	CSP Compression Canister	292
Rice Lake	RL20000	VPG Revere	363 S-Beam	269
Rice Lake	RL20000SS	VPG Revere	9363 S-Beam	270
Rice Lake	RL20000ST	VPG Revere	9363 S-Beam	270
Rice Lake	RL30000	VPG Revere	5123 Single-Ended Beam	273
Rice Lake	RL39123	VPG Revere	9123 Single-Ended Beam	274
Rice Lake	RL39523	VPG Revere	9523 Single-Ended Beam	275
Rice Lake	RLHBB	VPG Revere	SHB Single-Ended Beam	280
Rice Lake	RLSSB	VPG Revere	SSB Single-Ended Beam	281
Rice Lake	RL70000	VPG Revere	5103 Double-Ended Beam	282
Rice Lake	RL70000SS	VPG Revere	9103 Double-Ended Beam	283
Rice Lake	RL71000HE	VPG Revere	9103 Double-Ended Beam	283
Rice Lake	RL75223	VPG Revere	5223 Double-Ended Beam	284
Rice Lake	Translink	VPG Revere	9223 Double-Ended Beam	285
Rice Lake	RLCSP1	VPG Revere	CSP Compression Canister	292
Rice Lake	RL8C2P1SS	VPG Revere	792 Compression Canister	293
Streeter Amet	3753070, 3752030, 3752040, 3751940	VPG Revere	CP Compression Canister	291
Streeter Amet	3760XXX	VPG Revere	CSP Compression Canister	292
Thurman	TSC 800	VPG Revere	5223 Double-Ended Beam	284
Thurman	10088970A-50K	VPG Revere	9803 Double-Ended Beam	286
VPG Celtron	HBB	VPG Revere	SHB Single-Ended Beam	280
VPG Tedea-Huntleigh	3411	VPG Revere	5123 Single-Ended Beam	273
VPG Tedea-Huntleigh	355	VPG Revere	SHB Single-Ended Beam	280



# Interchangeable Products VPG Sensortronics

Manufacturer	Model	Manufacturer	Model	Page #
Artech	50210	VPG Sensortronics	60040 Single-Ended Beam	314
Artech	80210	VPG Sensortronics	65040A-1127W Double-Ended Beam	326
Fairbanks	65023A-XX-5164	VPG Sensortronics	65023A-5297 Single-Ended Beam	306
Fairbanks	Rodan 90814-40k	VPG Sensortronics	65061A Double-Ended Beam	323
Fairbanks	Rodan 91088-50k	VPG Sensortronics	65061A Double-Ended Beam	323
Fairbanks	63951	VPG Sensortronics	65114 Rocker Column	327
NCI	Mark III	VPG Sensortronics	60051 Single Point	316
NCI	Mark IX	VPG Sensortronics	60051 Single Point	316
NCI/Weigh-Tronix	Mark V	VPG Sensortronics	60048SS Single Point	315
Pennsylvania	65023A-XX-5141	VPG Sensortronics	65023A-5107-10 Single-Ended Beam	307
Revere Transducers	5203	VPG Sensortronics	65016 Double-Ended Beam	318
Rice Lake	RL20001	VPG Sensortronics	60001 S-Beam	303
Rice Lake	RL20001HE	VPG Sensortronics	60063 S-Beam	305
Rice Lake	RL35023	VPG Sensortronics	65023 Single-Ended Beam	309
Rice Lake	RL30002	VPG Sensortronics	65023 Single-Ended Beam	309
Rice Lake	RL35023S	VPG Sensortronics	65023SS Single-Ended Beam	310
Rice Lake	RL35023S	VPG Sensortronics	65023S Single-Ended Beam	311
Rice Lake	RL35083	VPG Sensortronics	65083 Single-Ended Beam	312
Rice Lake	RL35082	VPG Sensortronics	65083S Single-Ended Beam	313
Rice Lake	RL50210	VPG Sensortronics	60040 Single-Ended Beam	314
Rice Lake	RL75016	VPG Sensortronics	65016 Double-Ended Beam	318
Rice Lake	RL75016WHE	VPG Sensortronics	65016W Double-Ended Beam	319
Rice Lake	RL75016WHE	VPG Sensortronics	65016WH Double-Ended Beam	320
Rice Lake	RL75058	VPG Sensortronics	65058A Double-Ended Beam	321
Rice Lake	RL75060S	VPG Sensortronics	65058S Double-Ended Beam	322
Rice Lake	RL75040	VPG Sensortronics	65040A Double-Ended Beam	324
Rice Lake	RL75040	VPG Sensortronics	65040S Double-Ended Beam	325
Rice Lake	RL75223	VPG Sensortronics	65040A-1127W Double-Ended Beam	326
Thurman	TSC 840	VPG Sensortronics	65040A Double-Ended Beam	324
Thurman	TSC 800	VPG Sensortronics	65040A-1127W Double-Ended Beam	326
VPG Celtron	STC	VPG Sensortronics	60001 S-Beam	303
VPG Celtron	STC-SS	VPG Sensortronics	60050 S-Beam	304
VPG Celtron	SQB	VPG Sensortronics	65023 Single-Ended Beam	309
VPG Celtron	SQB-HSS	VPG Sensortronics	65083 Single-Ended Beam	312
VPG Celtron	DSR	VPG Sensortronics	65016 Double-Ended Beam	318
VPG Celtron	DSR-HSS	VPG Sensortronics	65016W Double-Ended Beam	319
VPG Celtron	CLB	VPG Sensortronics	65058A Double-Ended Beam	321
VPG Celtron	DLB	VPG Sensortronics	65040A Double-Ended Beam	324
VPG Revere	5503	VPG Sensortronics	60040 Single-Ended Beam	314
VPG Revere	5223	VPG Sensortronics	65040A-1127W Double-Ended Beam	326
VPG Sensortronics	65023 SS	VPG Sensortronics	65023S Single-Ended Beam	311
VPG Sensortronics	65016WH	VPG Sensortronics	65016W Double-Ended Beam	319
VPG Sensortronics	65016W	VPG Sensortronics	65016WH Double-Ended Beam	320
VPG Sensortronics	65040A	VPG Sensortronics	65040S Double-Ended Beam	325

## Interchangeable Products VPG Tedea-Huntleigh

Manufacturer	Model	Manufacturer	Model	Page #
Flintec	PCB	VPG Tedea-Huntleigh	1250 Potted Single Point	352
HBM	Z6	VPG Tedea-Huntleigh	355 Single-Ended Beam	337
HBM	PW16	VPG Tedea-Huntleigh	1260 Single Point	349
NMB	C2G1	VPG Tedea-Huntleigh	1022 Single Point	338
VPG Revere	SHB	VPG Tedea-Huntleigh	355 Single-Ended Beam	337
Rice Lake	RL30000	VPG Tedea-Huntleigh	3411/3421 Single-Ended Beam	334
Rice Lake	RL39123	VPG Tedea-Huntleigh	3411/3421 Single-Ended Beam	334
Rice Lake	RLHT0	VPG Tedea-Huntleigh	3510 kg Single-Ended Beam	336
Rice Lake	RLHBB	VPG Tedea-Huntleigh	355 Single-Ended Beam	337
Rice Lake	RL1521A	VPG Tedea-Huntleigh	1022 Single Point	338
Rice Lake	RL1010	VPG Tedea-Huntleigh	1010 Potted & Unpotted Single Point	339
Rice Lake	RL1042	VPG Tedea-Huntleigh	1042 Single Point	341
Rice Lake	RL1042	VPG Tedea-Huntleigh	1042S Single Point	342
Rice Lake	RL1040	VPG Tedea-Huntleigh	1040 Potted & Unpotted Single Point	343
Rice Lake	RL1140	VPG Tedea-Huntleigh	1140 Single Point	345
Rice Lake	220	VPG Tedea-Huntleigh	220 Compression	359
Rice Lake	RL1260	VPG Tedea-Huntleigh	1260 Single Point	349
Rice Lake	RL1260	VPG Tedea-Huntleigh	1260S Single Point	350
Rice Lake	RL1250	VPG Tedea-Huntleigh	1250 Potted Single Point	352
VPG BLH	C2G1	VPG Tedea-Huntleigh	1022 Single Point	338
VPG Celtron	SQB-HSS	VPG Tedea-Huntleigh	3510 lbs Single-Ended Beam	335
VPG Celtron	HBB	VPG Tedea-Huntleigh	355 Single-Ended Beam	339
VPG Celtron	LPS	VPG Tedea-Huntleigh	1022 Single Point	338
VPG Celtron	LOC	VPG Tedea-Huntleigh	1040 Potted & Unpotted Single Point	343
VPG Celtron	LOC	VPG Tedea-Huntleigh	1250 Potted Single Point	352
VPG Celtron	HOC	VPG Tedea-Huntleigh	1320 Single Point	353
VPG Revere	5123	VPG Tedea-Huntleigh	3411/3421 Single-Ended Beam	334
VPG Revere	9123	VPG Tedea-Huntleigh	3411/3421 Single-Ended Beam	334
VPG Sensortronics	65083	VPG Tedea-Huntleigh	3510 lbs Single-Ended Beam	335
VPG Tedea-Huntleigh	1260	VPG Tedea-Huntleigh	1260S Single Point	350
Weigh-Tronix	MK29	VPG Tedea-Huntleigh	1130 Single Point	344

# Shipping Information

FREIGHT SERVICES OFFERED	"SMALL PACK"	LTL	TRUCK LOAD
Nationwide Same Day Service	Y* ***	Y*	N
Same Day, Counter to Counter***	Y	N	N
Next Day (AM)	Y**	Y**	Y**
Next Day (END OF DAY)	Y	Y**	Y**
2 Day	Y	Y	Y
3 Day	Y	Y	Y
Ground	Y	Y	Y
Canada	Y	Y	Y
Mexico	Y	Y	Y
Express Freight (Air-over 150 lb)***	Y	Y	N
International (Sea)	Y	Y	Y
International (Air)	Y	Y	N

\* Subject to cost/distance

\*\* Subject to distance

\*\*\* Subject to flight availability and proximity of nearest airport

## Same Day Services

These services do not carry the same service guarantees that standard delivery schedules do and are subject to availability

## Small Parcel Services

We ship with internationally recognized parcel carriers based on delivery time and services offered.

## Determining Dimensional Weight for Small Parcel Shipments for Air & Ground

When shipping via air services, couriers require that the shipping weight be determined by the greater of the actual weight of the boxed product or its dimensional shipping weight. The formula for calculating dimensional shipping weight is as follows:

L x W x H/166 for domestic air shipments and L x W x H/139 for international air shipments. Rice Lake Weighing Systems takes the added precaution of double boxing some of our electronic products and balances. This may result in dimensional weight charges by the carrier when shipping by air. Even with this added precaution, we suggest that you always ship high precision and fragile products via air service.

## Less Than Truck Load (LTL)

Full service LTL coverage for the continental United States, Puerto Rico, Canada and Mexico.

Note: A standard LTL delivery is considered to be one that ships from either a company or partner dock to arrival at a standard commercial address with disposition of the goods at the rear of the truck to enable off loading by material handling equipment provided by the consignee at either ground level or via loading dock. Allied to this, the freight in question should be palletized and secured in a way to facilitate the safe handling of the freight with no one dimension over seven feet, six inches.

Any LTL delivery falling outside of this criteria may well accrue accessorial charges levied by the carrier in line with their tariff rules. It is recommended that any potential accessorial cost are discussed at the time of order placement so that these costs can be billed appropriately at the time of shipment. If this is not the case, Rice Lake Weighing Systems reserves the right to charge the customer retrospectively for any accessorial costs incurred during the delivery process.

Accessorial charges include, but are not limited to the following:

- Lift gate: \$100.00
- Call for appointment: \$40.00
- Guaranteed delivery: Day \$45.00, 10:30 a.m. (where available) \$100.00
- Inside delivery: \$100.00 **NOTE: To inside of first threshold crossed only**
- High cost delivery areas: Excessive length, government sites and mines, re-delivery, re-consignment, residential and restricted access shipments

## Full Truckload

Various truckload providers give us the ability to ship to the contiguous United States, Alaska, Canada and Mexico

## Forwarders (International Freight)

We can provide service through a forwarder of our choice, or select one of your preferred forwarders.

**Air freight:** All of our forwarders are internationally recognized brands

**Ocean freight:** All of our forwarders are internationally recognized brands





# Signed Sealed Delivered... It's yours!

**On average, regardless of carrier, 2% of all freight is damaged in transit. Don't let the delivery person slip away. And don't get left holding the bag.**

Rice Lake merchandise is packaged carefully to arrive at your location on time, intact and in perfect working order. We don't ship damaged goods, and we work with many of the most reputable national carriers. But know this—anytime a package is sent, as many as 2 out of 100 will be mishandled. To be sure your business doesn't take the hit for someone else's mistake—INSPECT before you sign.

Whether or not the product itself has been damaged, remember—your signature accepts the delivery as is, releasing the carrier and supplier of all liability, unless you take action:

- Make note of any damage to the packaging, no matter how slight, including re-packaging, water damage, scratches to paint, etc. Take photos if possible to back up any necessary claims.
- Do not accept or sign for as “unchecked”—this is not an acceptable disclaimer.
- Where damage to contents is obvious, take photos and refuse the shipment.

Notify your supplier immediately with the claim number provided by the driver. Noting the condition of your delivery upon receipt is the only recourse when making a damage claim. Follow these steps and you'll get replacement merchandise faster, keep costs down and ensure the carrier is held responsible for their mistakes; not you, and not your supplier.

**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

800-472-6703  
[www.ricelake.com](http://www.ricelake.com)



# SELF HELP FOR SCALE TECHS

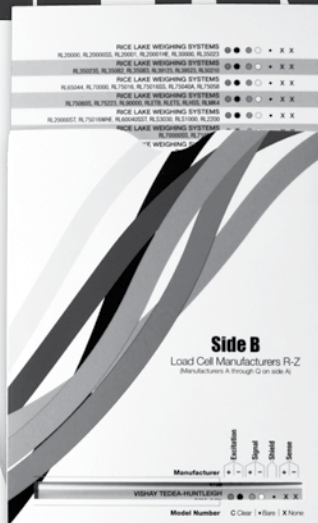


## LOAD CELL AND WEIGH MODULE HANDBOOK

A Comprehensive Guide to Load Cell Theory, Construction and Installation

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for this handbook and more helpful information  
on load cells and weigh modules

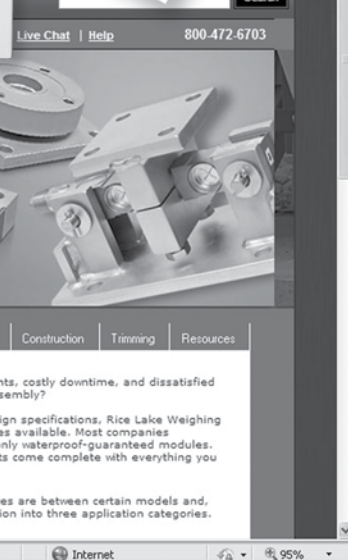


## Rice Lake Load Cell Wiring Guide

**RICE LAKE**  
WEIGHING SYSTEMS  
"to be the best by every measure"

230 W. Coleman St., Rice Lake, WI 54808  
TEL: 715-234-9171 • FAX: 715-234-6967  
www.ricelake.com

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## Load Cell and Weigh Module Resource Center

### Weigh Module Selection

#### How to be Confident You're Installing the Best

Low-quality, poorly constructed weigh modules and load cells often result in expensive repairs and replacements, costly downtime, and dissatisfied customers. So how do you avoid this? More importantly, what should you look for in a load cell or weighing assembly?

Selection involves factors such as working environment and loading conditions. Based on these and other design specifications, Rice Lake Weighing Systems' experienced engineering and design staff has created the most comprehensive line of weigh modules available. Most companies concentrate on one or two types of mounts. We offer over 20 different mount styles, including the industry's only waterproof-guaranteed modules. Coupled with our outstanding selection of load cells manufactured to the highest quality standards, our mounts come complete with everything you need to get started and the unbeatable service support to help you get it done.

The wide variety of weigh modules we manufacture and distribute may leave you wondering what the differences are between certain models and, most importantly, which modules are best suited for your needs. We've broken down our weigh module selection into three application categories. Most operations can be classified into one of these:

Request your copies of handbooks, guides and handouts today.  
Build your library of Rice Lake information, drawings and data  
and be in the know on the go.

Check out our website: [www.ricelake.com/lcwm](http://www.ricelake.com/lcwm)  
for this handbook and more helpful information on load cells  
and weigh modules.

**RICE LAKE**  
WEIGHING SYSTEMS

800-472-6703  
[www.ricelake.com](http://www.ricelake.com)  
[m.ricelake.com](http://m.ricelake.com)

## Customer Service Contacts

At Rice Lake Weighing Systems we strive to give you the best customer service in the industry. You can depend on our knowledgeable staff to deliver decisive, courteous assistance when you need it most.

Customer Service Representative Hours (CST): Monday through Friday 6:30AM to 6:30 PM; Saturday 8:00AM to Noon

### United States and Canada Field Sales



**Michael Bordino**  
Southeast Region  
715-434-5079



**Tim Broemmer**  
Heavy Capacity Sales  
715-736-6457



**Tim Campbell**  
Great Lakes Region  
715-434-5067



**Jeff Canfield**  
Allegheny Region  
715-434-5081



**Jim Gruchalla**  
Lower Midwest  
715-434-5084



**Chris Hanson**  
Midsouth Region  
715-434-5069



**Brad Harder**  
Upper Midwest  
715-736-6470



**Roger Kimber**  
Northwest Region  
715-434-5097



**Jim Lynch**  
Mid-Atlantic Region  
715-434-5077



**Don Martin**  
Southwest Region  
715-434-5134



**Bill Murphy**  
Heavy Capacity Sales  
715-434-5115



**Scott Schumacher**  
Northeast Region  
715-434-5349



**Ian Scott**  
Eastern Canada Region  
715-434-5049



**Murray Stewart**  
Western Canada Region  
715-434-5194

### International Field Sales



**Martin Devilla**  
Rice Lake de Mexico  
715-434-5258



**Duco Kroon**  
Europe  
715-434-5804



**Jose Mathew**  
Middle East/Asia/Africa  
715-434-5048



**Jaap Oosterlee**  
Europe  
715-434-5816



**Fred Slack**  
Eastern Europe  
715-434-5822



**Manuel Talancon**  
Latin America  
715-434-5041

### Customer Relations



**Mark O. Johnson**  
Chief Executive Officer



**Mark Johnson, Jr.**  
President



**Steve Parkman**  
Chief Operating Officer



**John Hughes**  
Vice President of  
Business Development



**Tom Kowalski**  
Vice President of  
Technology



**Todd Backer**  
Vice President of  
Engineering/Innovation



**Guru Ganesh**  
Director, India  
Operations



**Joe Grell**  
Vice President Heavy  
Capacity



**Walter Hendriks**  
Managing Director,  
Europe



**Dominic Hodkiewicz**  
Director of  
Manufacturing



**Bruce Johnson**  
Customer Service  
Manager



**Kevin Marshall**  
Logistics Manager



**Patrick Ranfranz**  
Director of Marketing



**Dick Shipman**  
Quality Manager



## Inside Sales



**Deanna Stanley**  
Inside Sales Supervisor



**Terica Schamberger**  
Sales Referral  
Coordinator



**Janelle Alton**



**Andrew Burish**



**Becky Clausen**



**Dave Jalowitz**



**Karja Keller**



**Tricia Larson**



**Gene Marquardt**



**Gail Mussehl**



**Len Nicpon**



**Tom Peterson**



**Ali Richter**



**Alex Schlichting**



**Russ Schnacky**



**John Tennant**



**Lynnette  
Thompson**



**Kally Wagner**

## International Region



**Peter Allen**  
Export Customer  
Service Supervisor



**Jennifer  
Krahenbuhl**



**Gloria Miranda**  
Habla Español



**Bobbie Stiver**  
Habla Español  
Parle Français

## Heavy Capacity Sales



**Matt Davis**



**Karen Hansen**



**Tony Zillmer**

## MSI



**Tim Carroll**  
National Sales  
Manager



**Phil Gray**  
Director of Operations



**Jim Norvid**  
Mechanical  
Engineering Manager



**Dave Taylor**  
Director of Engineering



**Ron Wenzel**  
Vice President  
International Sales  
and Aviation Products

## Directors of Strategic Accounts



**Steve Delaney**  
Livestock Scales  
715-434-5293



**Joe Giglio**  
Medical  
715-434-5068



**Thomas Kendall**  
Onboard Systems  
715-434-5177

## Customer Service Contacts Continued

## Technical Support



Sam Brower



Alan Dobrowolski



Joe Heinicke



Patrick Hillman



Mark Hopland



Chris Lancaster



Kyle Messerly



Preston Reed



Brady Reetz



Scott Ross



Greg Stager



Layne Siverling



Mark Ware

Savannah Emerson  
RetailDon O'Connell  
Retail

## Repair Department

Phil Stoeberl  
Electronic Assembly  
Repair ManagerDiane Gagner  
Warranty>ReturnsLisa Maciosek  
Warranty>Returns

Randee Bauch



Art Folstad



Les Karpel



Dale Koehler



Tracy Lavalere



Landon Nielson

## Receptionists



Tammy Kline

Michelle  
Niederhauser

Cindy Aherns

## Mobile Marketing Unit



Jeff Malinowski



Jeff White

## Financial Services

Lynette Marshall  
Financial Services  
Supervisor

Wendy Boese



Nicole Dostal

Marcia  
FankhauserVivian Kroon  
Europe

Kathleen Miller



Shannon Ullom

## Featured Product



RL1855 HE-HS

### **RL1855 HE-HS.....p. 40**

The RL1855 HE-HS with module kit has all the features of the RL1855 HE kit but uses the upgraded RL35082HE hermetically sealed IP69K load cell.



RL72015HE

### **RL72015HE .....p. 153**

The RL72015HE is a stainless steel, hermetically sealed double-ended beam that can be used in applications where moisture will be present. Each unit comes with 30 ft (9.2 m) of cable and is available from 5,000 lb to 60,000 lb (2,268.0 kg to 27,216 kg).



RL75016SS-W

### **RL75016SS-W .....p. 156**

The RL75016SS-W is a stainless steel double-ended beam with welded gage covers for added protection in applications where moisture will be present. Each comes with 25 ft (7.6 m) of cable and is available from 1,000 lb to 50,000 lb (453.6 kg to 22,679.6 kg).



RL75010-30t/RL80453-100,000 lb

### **RL75010/RL80453 .....p. 165**

The RL75010 and RL80453 are new direct replacements for Fairbanks® rocker column load cells. Load cups are also available.

# Warranty

Rice Lake Weighing Systems Rice Lake warrants that all Rice Lake brand equipment and systems properly installed by a Distributor or Original Equipment Manufacturer (OEM) will operate per written specifications as confirmed by the Distributor/OEM and accepted by Rice Lake. All systems and components are warranted against defects in materials and workmanship for one (1) year from the date of shipment from Rice Lake, unless otherwise stated in the product catalog or manual.

Rice Lake warrants that the equipment sold hereunder will conform to the current written specifications authorized by Rice Lake. Rice Lake warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

- Upon discovery by Buyer of such non-conformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.
- Individual electronic components returned to Rice Lake for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in the publication, "Protecting Your Components From Static Damage in Shipment," available from Rice Lake Equipment Return Department.
- Examination of such equipment by Rice Lake confirms that the non-conformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair or improper testing. Rice Lake shall be the sole judge of all alleged non-conformities.
- Such equipment has not been modified, altered or changed by any person other than Rice Lake or its duly authorized repair agents.
- Rice Lake will have a reasonable time to repair or replace the defective equipment. Buyer is responsible for shipping the product to Rice Lake. Rice Lake is responsible for shipping the product back to the customer.
- In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

**These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither Rice Lake nor distributor will, in any event, be liable for incidental or consequential damages.**

**Rice Lake and buyer agree that Rice Lake' sole and exclusive liability hereunder is limited to repair or replacement of such goods. In accepting this warranty, the buyer waives any and all other claims to warranty.**

**Should the seller be other than Rice Lake, the buyer agrees to look only to the seller for warranty claims.**

No terms, conditions, understanding or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Buyer.

## Load Cell Non-Warranty Evaluation Notice

Effective April 1, 2006, Rice Lake Weighing Systems has applied a per unit flat rate change of \$45 for non-warranty product evaluations.

This change only applies to items returned outside the specific product warranty period and will be waived if you proceed with a billable repair.



# Customer Assistance

## Product Support

Rice Lake Weighing Systems strives to provide you with the most current and accurate information in our Load Cell Guide. Manufacturers occasionally change specifications or prices after the publication is printed, which is beyond our control. Please consult our sales staff or our website at [www.ricelake.com](http://www.ricelake.com) for the most current information.

## Returns

Our commitment to our distributors states that if any standard product purchased from Rice Lake Weighing Systems does not work, or if the incorrect product is shipped, return it in its original shipping container with all accessories for full credit or replacement within 30 days of purchase. Always inspect the product upon receipt.

Please note that if the incorrect amount of product was shipped, Rice Lake Weighing Systems must be contacted within 30 days of the purchase. Upon notification, we will immediately correct the situation.

We may, at our option, assess a restocking charge if the equipment was incorrectly specified for the application intended, and/or damaged beyond reasonable repair. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear, and cannot be reconditioned and resold, will not be accepted for return.

## As Applied to Drop Shipments

All Rice Lake Weighing Systems return guidelines apply to products drop-shipped to your end-user customer. If a perceived error occurs, Rice Lake Weighing Systems will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping or at the end-user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the distributor, not their end-user. Our standard product warranty notes that our coverage extends only to equipment and systems properly installed by a distributor.

## Trademark Recognition

The following product names, logos, brands, and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

Revere Technologies®  
DigiTol®  
Flintec®  
Artech®  
VPG - Celtron®  
VPG - Sensortronics®  
VPG - Tedea-Huntleigh®  
HBM®  
Mettler-Toledo®  
Toledo™  
NCI™  
Howe™  
PreVent™  
Cardinal®  
Masstron®  
Fairbanks®

Weigh-Tronix®  
Avery Weigh-Tronix®  
Thurman®  
Unibridge®  
Howe Richardson®  
Streeter Amet®  
VPG - BLH®  
NMB®  
Streeter Richardson®  
Interface®  
VPG - Revere Transducers®  
NV Technology®  
Pennsylvania®  
Power Cell®  
Hecon®

# Terms and Conditions

The terms “buyer,” “authorized reseller,” and “customer” as used herein, shall mean the party placing the purchase order with Rice Lake Weighing Systems. No contractual relationship between Rice Lake Weighing Systems and said party shall arise until such time as a purchase order has been accepted by Rice Lake Weighing Systems and such acceptance has been indicated on a written acknowledgment. Tenders which do not stipulate an acceptance period shall not be binding. Orders shall be subject to Rice Lake Weighing Systems’ standard terms and conditions as printed below, subject to correction for clerical errors.

These sales terms and conditions shall be binding if declared applicable in the tender or in the order acknowledgement. Any conditions stipulated by the buyer which are in contradiction to these sales terms and conditions shall only be valid if expressly acknowledged by Rice Lake Weighing Systems in writing.

## 1. Prices

(a) Rice Lake Weighing Systems (Rice Lake) prices are net 30 days Ex Works Rice Lake plant. Orders are subject to approval of our credit department with rights reserved to change or withdraw credit terms without notice and to terminate any orders when invoices for work done thereon have gone unpaid for 60 days.

(b) Prices do not include taxes of any kind by federal, state, municipality or other governmental authority, which Rice Lake may be required to collect or pay with respect to the sale or shipment of goods sold hereunder. Regardless of when any such taxes are determined or become payable, all taxes would be the responsibility of the customer and would be in addition to the prices quoted hereon.

(c) This quotation is made upon the basis of the cost of materials and labor as of the date of this quotation. A change in such costs shall give Rice Lake the right to alter prices to reflect such changes in cost.

## 2. Shipment, Title, Risk of Loss

(a) All shipments are Ex Works point of shipment. Title and risk of loss or damage passes to the customer upon presentation of the goods to the customer’s carrier at Rice Lake’s facility, except that title and risk of loss or damage as to customer’s partially manufactured parts and raw materials delivered to Rice Lake, and as to jigs, fixtures and tools specially ordered for the customer shall at all times remain with the customer.

(b) Rice Lake does not carry fire insurance upon jigs, fixtures and tooling built by Rice Lake for customers or supplied to Rice Lake by customers, nor does Rice Lake carry insurance upon raw materials supplied to Rice Lake by customers. Customers assume all risk of loss, damage or destruction of jigs, fixtures, tooling or raw materials belonging to the customer in Rice Lake custody caused by fire, water, gas, natural disasters, strikes, insurrection, riots or by acts of the civil or military authorities and whether or not such loss, damage or destruction was the result of our negligence or misconduct or that of our agents or employees. The customer agrees to indemnify and hold Rice Lake harmless from all direct and consequential costs and damages resulting from such loss.

(c) Except as hereinabove stated, we agree to maintain all jigs, fixtures and tooling built by Rice Lake in working condition for their normal life only, except that our liability in this respect shall not extend more than one year after the completion of the most recent production order.

## 3. Quantity, Materials and Tolerances

(a) Unless dimensions are limited by a specific tolerance, it is understood that the production variations as published by Rice Lake will be acceptable.

(b) Rice Lake will not be responsible for color, thickness variations, or flaws in sheets or parts from which fabrications are made, nor for other material variations beyond our control.

(c) Rice Lake assumes no responsibility for loss or damage occurring by reason of delay or inability to deliver caused by fires, strikes, accidents, embargoes, car shortages, delays of carriers, insurrection, riots, acts of the civil or military authorities, nor will we assume responsibility for any reason whatever for damages of any kind on account of failure to deliver at the time specified. The customer shall indemnify and hold Rice Lake harmless from all direct and consequential costs and damages resulting from such loss or delay.

(d) Unless otherwise specified, delivery of 10 percent more or less of completed parts than the quantity specified shall constitute fulfillment of this order and any excess not exceeding 10 percent shall be accepted and paid for by the customer.

(e) In the event any raw material specified for incorporation into the product covered by this proposal shall become unavailable, Rice Lake shall notify the customer and the customer may direct Rice Lake to substitute available material for that originally specified; it being understood and agreed that the customer shall assume any and all consequences resulting from such substitution.

## 4. Patents

If this quotation covers parts made specifically for the customer, the customer agrees to indemnify and hold Rice Lake harmless against any loss resulting from infringement of patents or trademarks, or from claims of such infringements and shall pay all legal and defense costs incurred by Rice Lake in the defense of such actions.

## 5. Software

Unless specifically otherwise stated, any and all software associated or part of any product sold, loaned on trial or demonstration to the customer is to be considered proprietary to Rice Lake. The customer agrees not to duplicate for distribution or to sell or distribute in any way without the prior written consent of Rice Lake.

## 6. Changes And Cancellation: Rejection, Claims

(a) Orders placed with Rice Lake are not subject to cancellation, change or reduction in amount or suspension of deliveries except with Rice Lake’s consent and upon terms that indemnify Rice Lake against loss. Unless confirmed in writing, all verbal agreements are void.

(b) Rice Lake will not be responsible for changes in design, deliveries or other instructions, unless they are furnished in writing. The customer agrees to pay for all tooling charges caused by changes in design or specifications.



# Terms and Conditions

(c) Samples submitted shall be deemed approved unless written rejection is received within two weeks of submission.

(d) Manufactured parts will be shipped and billed as they are produced.

(e) Claims for shortage or rejections for defects must be made within 10 days of receipt of goods. Credit will be rendered on such defective parts after we have had an opportunity to inspect them, provided they are returned to our factory, transportation charges prepaid, within 30 days, and provided they have not been altered or defaced in any way.

## 7. Tooling and Designing

(a) In consideration of the engineering service necessary in the designing of jigs, fixtures and tooling not being charged for, but being quoted on the basis of labor and material only, and not at their fair market value, such jigs, fixtures and tooling shall remain in our possession for at least one year. Thereafter, the customer desiring delivery of such jigs, fixtures and tooling shall pay an engineering charge of 50 percent of the original price of said jigs, fixtures and tooling and accept same as-is.

(b) When requested, we will submit suggestions concerning design and construction of parts, but we will not accept responsibility of liability for the practicability of these suggestions if adopted by the customer.

## 8. Delivery and Adjustment to Price

(a) If the customer requests that the goods be manufactured and shipped on a date (or dates) earlier than originally agreed to by Rice Lake and the customer, and Rice Lake agrees to the earlier date (or dates), any increase in the cost of performance incurred by Rice Lake resulting from earlier manufacture and shipment will be included in an adjustment of the purchase price to be made by Rice Lake and will be paid by the customer.

(b) Should shipments be held beyond scheduled date for convenience of the customer, goods will be billed and charges will be made for warehousing, trucking and other expenses incident to such delay. Reasonable and sufficient care is taken by Rice Lake in crating its goods. Rice Lake cannot be held responsible for breakage after having received "in-good-order" receipts from the transportation carrier. All claim for loss and damage must be made by the customer to the carrier, but we will assist insofar as practical in securing satisfactory adjustment of such claims.

## 9. Payment and Liens

(a) All invoices shall be due and payable when submitted for payment in accordance with the revisions of Rice Lake terms. No withholding of funds, back charges or credits against amounts otherwise due to Rice Lake will be permitted unless specifically agreed to in writing by Rice Lake. Settlement of any amounts due to the customer will be negotiated as separate items and not as offsets against amounts otherwise due to Rice Lake from the customer for products sold hereunder.

(b) Any unpaid account for work done shall constitute a lien on any jigs, fixtures, manufactured parts and raw materials in Rice Lake possession. In the event any account remains open and unpaid for 90 days, Rice Lake reserves the right to use the customer's jigs and fixtures to make parts therefrom, and to sell or dispose of manufactured parts and raw materials.

(c) The customer shall not assign or transfer any rights or obligations arising from this proposal, or monies payable thereunder, without the prior written consent of Rice Lake, and any such assignment or transfer made without such written consent shall be deemed null and void.

## 10. Additional Provisions

(a) Errors—stenographic and clerical errors are subject to correction.

(b) These terms and conditions constitute the entire contract between the customer and Rice Lake, transcending any oral arrangements or representations which may be inconsistent therewith.

(c) This quotation is made under and shall be governed by the laws of the state of Wisconsin.

## 11. Resale of Rice Lake Weighing Systems Products

In order to ensure compliance with the U.S. Export Administration Regulations we ask you to comply with the following:

(a) The customer shall not export or re-export Rice Lake Weighing Systems products, either directly or indirectly, in contravention of any applicable law, statute or regulation and will first obtain any required licenses or authorizations from the relevant government authority when necessary as prescribed by law.

(b) The customer confirms that it is familiar with and complies with the relevant national and international export control regulations and embargo regulations. The customer furthermore confirms that it is in particular familiar with and complies with the U.S. Department of Commerce, Export Administration Regulations; U.S. Department of Treasury, OFAC Sanctions; the U.S. Department of Defense, ITAR requirements and the U.S. Department of State regulations.

(c) If deemed necessary, Rice Lake Weighing Systems, in individual cases may make further requests from the customer for information required for export compliance.

(d) Should it be necessary for the customer to obtain an export license from the appropriate authorities pursuant to the aforementioned regulations, the customer shall apply for such a license autonomously and at their own expense.

**The foregoing warranties are exclusive and in lieu of all other express and implied warranties whatsoever, including but not limited to implied warranties of merchantability and fitness for a particular purpose. Rice Lake shall not be subject to any other obligations or liabilities whatsoever with respect to parts manufactured or supplied by Rice Lake or services rendered by it.**

**Anything herein to the contrary notwithstanding, Rice Lake shall not be liable for incidental and consequential damages, and in substitution for all remedies which the customer may have under any applicable law. The customer's sole and exclusive remedy against Rice Lake for any breach of warranty or any other breach relating to goods delivered pursuant hereto shall be for repair or replacement (at Rice Lake's option) of the goods or parts effected by such breach.**

## Using Ingress Protection (IP) Ratings

For load cell sealing techniques, Rice Lake Weighing Systems uses the Ingress Protection (IP) rating system. We find the IP numbers and their definitions are suitable for the classification of load cells and only apply IP numbers to such cells. The IP numbers on a load cell further specify the treatment a specific cell can endure in environments more severe than simple washdown.

Example: Protection level offered by an IP67 rated product

**IP 67**

**Protection against solid objects**

**First number (in this case 6)**

- 0** No protection
- 1** Protected from solid objects up to 50 mm (e.g., accidental touch by hands)
- 2** Protected from solid objects up to 12 mm (e.g., fingers)
- 3** Protected from solid objects more than 2.5 mm (e.g., tools and small wires)
- 4** Protected from solid objects more than 1 mm (e.g., small wires)
- 5** Protected from dust; limited entrance (no harmful deposit)
- 6** Totally protected from dust

**Protection against liquids**

**Second number (in this case 7)**

- 0** No protection
- 1** Protected from vertically-falling drops of water (e.g., condensation)
- 2** Protected from direct sprays of water up to 15° from vertical
- 3** Protected from direct sprays of water up to 60° from vertical
- 4** Protected from water sprayed from all directions; limited entrance allowed
- 5** Protected from low pressure jets of water from all directions; limited entrance allowed
- 7** Protected from the effects of immersion between 15 cm and 1 m for 30 minutes
- 8** Protected from extended periods of immersion under pressure

**IP Numbers with Hermetically Sealed (HS) or Environmentally Protected (EP) Ratings**

Rating	Protection
<b>EP</b>	Dust proof, not protected from moisture or water
<b>IP65</b>	Dust proof, protected from splashes and low-pressure jets
<b>IP66</b>	Dust proof, protected from strong water jets
<b>IP67</b>	Dust proof, protected from temporary immersion in water 1 meter deep for 30 minutes
<b>IP68</b>	Dust proof, protected from continuous immersion in water under more severe conditions than IP67
<b>IP66/68</b>	Dust proof, protected from strong water jets and/or constant immersion
<b>IP69K</b>	Dust proof, protected from high pressure washing and steam cleaning

All load cell cables should be run through conduit to increase protection against moisture ingress

# Weigh Module Application



This Weigh Module Application form will help you and your customer choose the best weigh module kit for their application. It has the most commonly asked questions and the back can be used to sketch the application, make notes or draw the bolt pattern needed to mate the legs and mount plates. A copy should be made for your files for future reference.

## CONTACT INFORMATION

Sales Organization \_\_\_\_\_ Sales Person \_\_\_\_\_  
Dealer/Customer Number \_\_\_\_\_ Email \_\_\_\_\_  
Phone \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

## APPLICATION NOTES

Is the application washdown? ☐ Yes ☐ No ☐ High Pressure ☐ Steam

Ambient temperature that load cells will be exposed to \_\_\_\_\_

List of chemicals that load cells will be exposed to \_\_\_\_\_

Is weighing environment considered explosive, if so please provide class, group and division area is classified as \_\_\_\_\_

Is FM approval required for the load cells? ☐ Yes ☐ No

Is ATEX approval required for the load cells? ☐ Yes ☐ No

Are NTEP Certified load cells required? (Legal for Trade) ☐ Yes ☐ No

Type of vessel being weighed \_\_\_\_\_

☐ Tension ☐ Compression ☐ Vertical ☐ Horizontal

Configuration of vessel? ☐ Round ☐ Square ☐ Rectangle

Number of supports or weigh points? \_\_\_\_\_

Product being weighed \_\_\_\_\_

Desired material of load cell? ☐ Stainless ☐ Alloy steel ☐ Aluminum

Desired material of mount assembly? ☐ Stainless ☐ Alloy steel

Live load of material? \_\_\_\_\_ lbs \_\_\_\_\_ kgs

Dead load of vessel? \_\_\_\_\_ lbs \_\_\_\_\_ kgs

Any mixers or motors that are part of the vessel. If yes, location and size (horsepower) \_\_\_\_\_

Will there be shock loading? ☐ Yes ☐ No If yes, provide calculation or description \_\_\_\_\_

\_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Any modifications desired for the weigh module, ie top or bottom plate size, bolt hole pattern?  
If so, please provide sketch below:

# SURVIVOR Weigh Modules

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**ESPAÑOL** | Visit [ricelake.com/spanish](http://ricelake.com/spanish)  
to see all RLWS materials  
available in Spanish

Product names, logos, brands, and other trademarks featured  
or referred to within this publication are the property of their respective trademark holders.



# SURVIVOR Paramounts® HE

Medium-Capacity Weigh Module Systems



*Picture is a representation of actual product*

Consisting of three different weigh module designs, the Paramounts system offers superior accuracy, even in applications with extreme expansion, contraction and vibration. The fixed-pin module acts as the vessel's primary reference point, enabling rotation. A single side-stop module is then paired with the fixed-pin module to permit mechanical expansion and contraction in one direction. The vessel then becomes a high-accuracy weighing system with the addition of one to six free-sliding modules. This system offers the free motion necessary to eliminate unwanted mechanical side loads, as well as the strength needed to keep the vessel in check. This gives the Paramounts system its industry-leading reputation for exceptional accuracy in unfriendly environments.

Integral jacking/shipping bolts enhance safety by preventing accidental lift-off, facilitate quick field removal of load cells and eliminate load cell damage during transportation. Matched outputs and field-replaceable cable simplify installation and enhance serviceability. As a system, Paramounts represent the ultimate combination of convenience, accuracy and control.

## Standard Features

- Capacities (per module): 520 lb-22,500 lb (2.3 kN/102.1 kg-100 kN/10,205.9 kg)
- All stainless steel construction
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Hermetically sealed stainless steel load cells
- Load cell outputs are matched to  $\pm 0.07\%$ , minimizing maintenance costs
- Unique design allows for thermal expansion/contraction
- Low-profile, self-checking design
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique patented blind load hole technology minimizes unwanted side and eccentric loading
- Vessel is free to slide laterally on PTFE-coated surfaces
- Two-year limited warranty

## Applications

- Medium-capacity, high-vibration mixers, blenders and tanks in temperature extremes
- Chemical batching/blending
- Pharmaceutical processing
- Food processing
- Petroleum refining and batching

## Optional Features

- NTEP Certified load cells available: capacities 1,125 lb-11,250 lb
- OIML-certified load cells available: capacities 1,125 lb-11,250 lb

## Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 1 fixed-pin module, 1 side-stop module, and 1 or 2 free-sliding assemblies  
Each module is complete with a FLINTEC SB4 or SB10 (520 lb) stainless steel hermetically sealed load cell
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

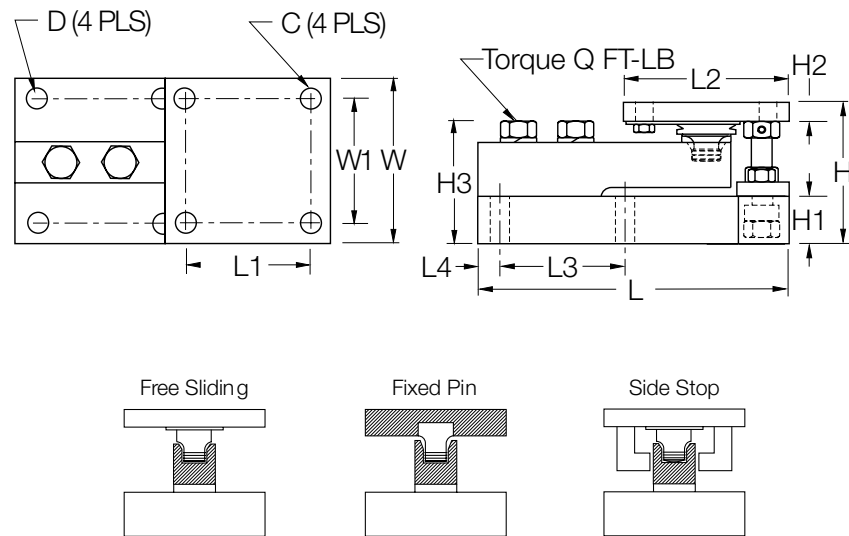
## Load Cell Certifications



*NOTE: Check with your local Weights & Measure officials for suitability in Legal for Trade applications..*

# SURVIVOR Paramounts® HE

Medium-Capacity Weigh Module Systems



## Dimensions

RATED CAPACITY	C	D	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	Q (FT- LB)
<b>lb/inches</b>															
520 (2.3 kN)	0.375	0.437	3.49	1.00	0.50	0.75	2.98	7.51	3.00	4.00	3.00	0.50	4.00	3.00	65.0
1,125-5,200 (5-23 kN)	0.437	0.437	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00	65.0
11,250 (50 kN)	0.562	0.562	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87	295
22,500 (100 kN)	0.688	0.688	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75	515.0
<b>kg/mm</b>															
236.1	9.5	11.1	88.6	25.4	12.7	19.1	75.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	-
510.8-2,360.	11.1	11.1	90.9	31.8	12.7	19.1	77.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	-
5,107.5	14.3	14.3	118.4	38.1	15.7	25.4	103.9	233.4	98.3	127.0	98.3	14.2	127.0	98.3	-
10,215.0	17.5	17.5	162.8	50.8	19.1	31.8	145.5	291.1	120.7	152.4	120.7	17.5	152.4	120.7	-

kN = Kilonewtons

\* Side stop and free sliding units

\*\* Fixed Pin Units

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>NTEP Certified/OIML C3 3-Module Kit</b>		
1,125 lb (5 kN/510.8 kg)	29883	\$3,495.00
2,250 lb (10 kN/1,021.5 kg)	29884	3,495.00
5,200 lb (23 kN/2,360.8 kg)	29885	3,495.00
11,250 lb (50 kN/5,107.5 kg)	29886	4,725.00
<b>NTEP Certified/OIML C3 4-Module Kit</b>		
1,125 lb (5 kN/510.8 kg)	29879	4,625.00
2,250 lb (10 kN/1,021.5 kg)	29880	4,625.00
5,200 lb (23 kN/2,360.8 kg)	29881	4,625.00
11,250 lb (50 kN/5,107.5 kg)	29882	5,950.00

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Non-NTEP Certified 3-Module Kit</b>		
520 lb (2.3 kN/236.1 kg)	38207	\$3,950.00
1,125 lb (5 kN/510.8 kg)	17991	3,375.00
2,250 lb (10 kN/1,021.5 kg)	17992	3,375.00
5,200 lb (23 kN/2,360.8 kg)	17993	3,375.00
11,250 lb (50 kN/5,107.5 kg)	17994	4,400.00
22,500 lb (100 kN/10,215.0 kg)	17995	5,025.00
<b>Non-NTEP Certified 4-Module Kit</b>		
520 lb (2.3 kN/236.1 kg)	38208	5,175.00
1,125 lb (5 kN/510.8 kg)	17998	4,400.00
2,250 lb (10 kN/1,021.5 kg)	17999	4,400.00
5,200 lb (23 kN/2,360.8 kg)	18000	4,400.00
11,250 lb (50 kN/5,107.5 kg)	18001	5,550.00
22,500 lb (100 kN/10,215.0 kg)	18002	6,995.00
*Conduit adapter, 1/2-14 NPT	17703	40.00

\*Must be factory installed

## RL1700 HE

Light- to Medium-Capacity Weigh Modules



*Picture is a representation of actual product*

The RL1700 HE offers precision-machined, weldless construction to maximize pressure washdown cleaning effectiveness. This design, coupled with integral jacking/shipping bolts, eases installation and minimizes maintenance costs. OIML C3-certified load cells in capacities from 5 kg to 5,000 kg provide accurate, consistent weightments. Ideal for multi-ingredient micro-batching applications, the RL1700 HE provides exceptional performance in hostile environments. The unique design of the RL1700 HE isolates the load cell from side loads, overloads, minimizing load cell mechanical damage and eliminating the need for extraneous hardware. The RL1700 HE offers a guaranteed waterproof rating to ensure reliable performance in moisture-laden environments.

### Standard Features

- All stainless steel construction
- Hermetically sealed, stainless steel load cells, IP66/68, guaranteed waterproof
- OIML certified load cells from 5 kg-5,000 kg
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking with lift-off/tip-over protection and jacking/shipping bolts
- Load cell is isolated from overload in all directions
- Weldless construction retains less residue and allows fast, thorough cleaning
- Two-year limited warranty

### Applications

- Multi-ingredient micro-batching
- Meat and poultry processing
- Chemical batching/blending
- Dye/ink blending

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal-trim junction box
- 3 or 4 1RL700 HE stainless steel compression mounts
- 3 or 4 RLHBB (5 kg-250 kg) or RLHTO (500 kg-5000 kg) stainless steel, hermetically sealed single-ended beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

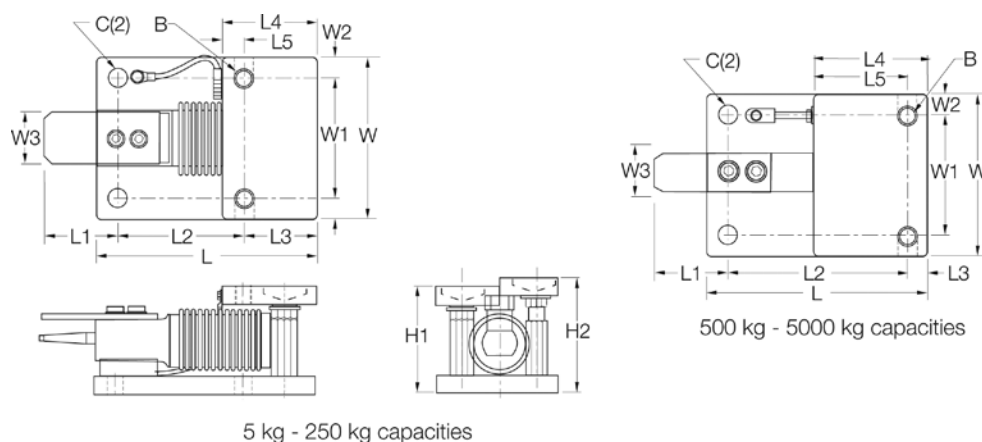
### Load Cell Certifications



Available upon request

# RL1700 HE

Light- to Medium-Capacity Weigh Modules



## Dimensions

RATED CAPACITY	C	B	*H1	**H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3
<b>kg/mm</b>														
5-250	12.9	1/2-20 UNF	80.0	86.1	131.8	64.0	76.0	42.0	56.0	14.0	96.0	70.0	13.0	25.4
500-2,000	20.0	5/8-18 UNF	101.6	109.1	165.0	70.0	130.0	15.0	80.0	64.5	110.0	70.0	20.0	30.0
5,000	20.0	3/4-10 UNF	135.0	143.0	215.0	81.0	161.0	20.0	90.0	70.5	150.0	90.0	30.0	40.0
<b>lb/inches</b>														
11-550	0.40	1/2-20 UNC	3.13	3.39	5.19	2.52	2.99	1.65	2.20	0.55	3.99	2.76	0.51	1.00
1100-4,400	0.78	5/8-18 UNC	4.00	4.32	6.50	2.76	5.12	0.59	3.15	2.54	4.33	2.76	0.79	1.18
11,000	0.78	3/4-10 UNC	5.31	5.63	8.46	3.19	6.34	0.79	3.56	2.78	5.91	3.54	1.18	1.57

\* In weighing position

\*\* In jacked-up position for load cell shipping or removal

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>OIML C3-Certified Load Cells Included</b>		
5 kg (11.0 lb)	32687	\$835.00
10 kg (22.0 lb)	32688	835.00
20 kg (44.1 lb)	32689	835.00
50 kg (110.2 lb)	32690	835.00
100 kg (220.5 lb)	32691	835.00
200 kg (440.9 lb)	32692	835.00
250 kg (551.2 lb)	32693	835.00
500 kg (1,102.3 lb)	32974	1,015.00
1,000 kg (2,204.6 lb)	32973	1,015.00
2,000 kg (4,409.2 lb)	32972	1,015.00
5,000 kg (11,023.1 lb)	32971	1,250.00

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
5 kg (11.0 lb)	32920	\$2,700.00
10 kg (22.0 lb)	32921	2,700.00
20 kg (44.1 lb)	32922	2,700.00
50 kg (110.2 lb)	32923	2,700.00
100 kg (220.5 lb)	32924	2,700.00
200 kg (440.9 lb)	32925	2,700.00
250 kg (551.2 lb)	32926	2,700.00
500 kg (1,102.3 lb)	32980	3,205.00
1,000 kg (2,204.6 lb)	32981	3,205.00
2,000 kg (4,409.2 lb)	32982	3,205.00
5,000 kg (11,023.1 lb)	32983	4,050.00
<b>4-Module Kit</b>		
5 kg (11.0 lb)	32927	3,540.00
10 kg (22.0 lb)	32928	3,540.00
20 kg (44.1 lb)	32929	3,540.00
50 kg (110.2 lb)	32930	3,540.00
100 kg (220.5 lb)	32931	3,540.00
200 kg (440.9 lb)	32932	3,540.00
250 kg (551.2 lb)	32933	3,540.00
500 kg (1,102.3 lb)	32984	4,220.00
1,000kg (2,204.6 lb)	32985	4,220.00
2,000 kg (4,409.2 lb)	32986	4,220.00
5,000 kg (11,023.1 lb)	32987	4,995.00

## RL1600 HE

Medium-Capacity Weigh Modules



Available in configurations with three or four mounting assemblies.  
Picture is a representation of actual product

The RL1600 HE mounting module kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 HE kit is ideally suited for indoor and outdoor process control operations in the medium-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Fabricated stainless steel module with  
RL75016WHE double-ended beam load cell.



### Standard Features

- Capacities (per module): 1,000 lb-25,000 lb (453.6 kg-11,339.8 kg)
- All stainless steel construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Hermetically sealed IP66/69K protected load cells
- Double-ended shear beam design, center loaded

### Applications

- Medium-capacity tanks, bins and hoppers
- Bulk material management
- Ingredient batching, mixing and blending

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1600 stainless steel compression mounts
- 3 or 4 RL75016WHE stainless steel, hermetically sealed double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

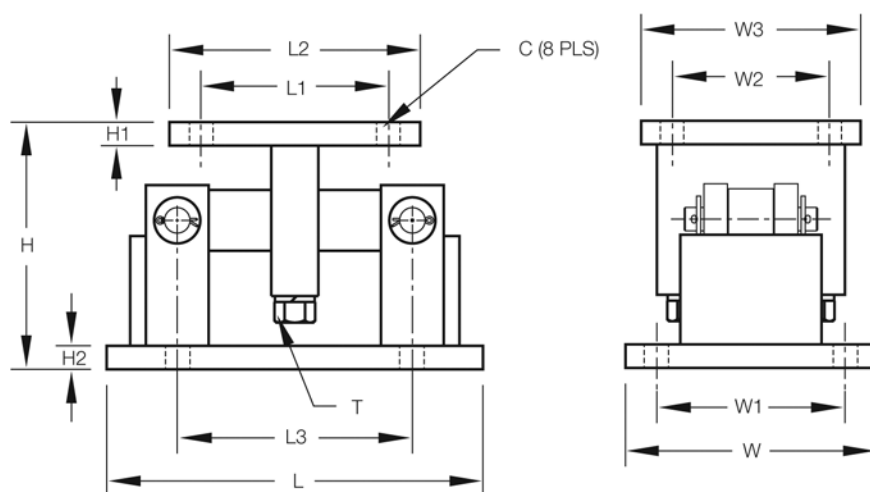
### Load Cell Certifications





# RL1600 HE

Medium-Capacity Weigh Modules



## Dimensions

RATED CAPACITY	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
<b>lb/inches</b>													
1,000-5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000-25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
<b>kg/mm</b>													
453.6-2,268.0	14.2	127.0	12.7	12.7	235.0	69.9	101.6	158.8	1/2-13 UNC	127.0	95.3	69.9	101.6
4,535.9-11,339.8	19.8	199.9	19.1	19.1	304.8	152.4	203.2	190.5	3/4-10 UNC	203.2	152.4	152.4	203.2

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
1,000 lb (453.6 kg)	46723	\$3,895.00
1,500 lb (680.4 kg)	119673	3,895.00
2,000 lb (907.2 kg)	119675	3,895.00
2,500 lb (1,134.0 kg)	46724	3,895.00
5,000 lb (2,268.0 kg)	46725	3,895.00
10,000 lb (4,535.9 kg)	46726	5,495.00
15,000 lb (6,803.9 kg)	46727	5,495.00
20,000 lb (9,071.9 kg)	84664	5,495.00
25,000 lb (11,339.8 kg)	46728	5,495.00
<b>4-Module Kit</b>		
1,000 lb (453.6 kg)	46729	4,910.00
1,500 lb (680.4 kg)	119674	4,910.00
2,000 lb (907.2 kg)	119676	4,910.00
2,500 lb (1,134.0 kg)	46730	4,910.00
5,000 lb (2,268.0 kg)	46731	4,910.00
10,000 lb (4,535.9 kg)	46732	7,305.00
15,000 lb (6,803.9 kg)	46733	7,305.00
20,000 lb (9,071.9 kg)	84665	7,305.00
25,000 lb (11,339.8 kg)	46734	7,305.00

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module (Does Not Include Load Cell)</b>		
1,000-5,000 lb (453.6-2,268.0 kg)	17813	\$565.00
10,000-25,000 lb (4,535.9-11,339.8 kg)	17815	1,095.00
<b>Dummy Load Cells (Mild Steel)</b>		
1,000-5,000 lb (453.6-2,268.0 kg)	18236	20.00
10,000-25,000 lb (4,535.9-11,339.8 kg)	18237	35.00

## Shims\*

PART #	PRICE
<b>1,000 lb-5,000 lb</b>	
0.0625	150852 \$3.25
0.125	150853 8.50
0.250	150854 14.25
<b>10,000 lb-25,000 lb</b>	
0.0625	150855 12.75
0.125	150856 20.50
0.250	150857 57.00
<b>50,000 lb-75,000 lb</b>	
0.0625	150858 16.25
0.125	150859 26.25
0.250	150861 72.25

\*Shims match the top plate

## RL1855 HE

### Medium-Capacity Weigh Modules



*Picture is a representation of actual product*

The internal height adjustment feature of the RL1855 HE reduces the need for shims or external hardware, simplifying installation. The standard conduit adapter allows for connection to conduit for cable protection. With standard NTEP Certified, 1:5000 division Class III load cells, the RL1855 HE provides an accurate weighing system when properly installed. Highly versatile, the RL1855 HE offers worry-free operation in a wide variety of rugged applications.

### Standard Features

- All stainless steel construction
- Welded seal, stainless steel load cells, IP67, guaranteed waterproof
- NTEP Certified load cells, 5000d, Class III multiple cell
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking design with lift-off/tip-over protection
- Two-year limited warranty

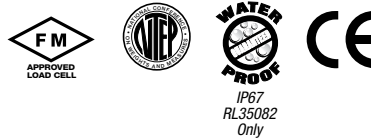
### Applications

- Medium-capacity hoppers, bins and tanks
- Chemical batching/blending
- Fertilizer blending

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal-trim junction box
- 3 or 4 1855HE stainless steel compression mounts
- 3 or 4 RL35082 stainless steel, welded seal single-ended beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

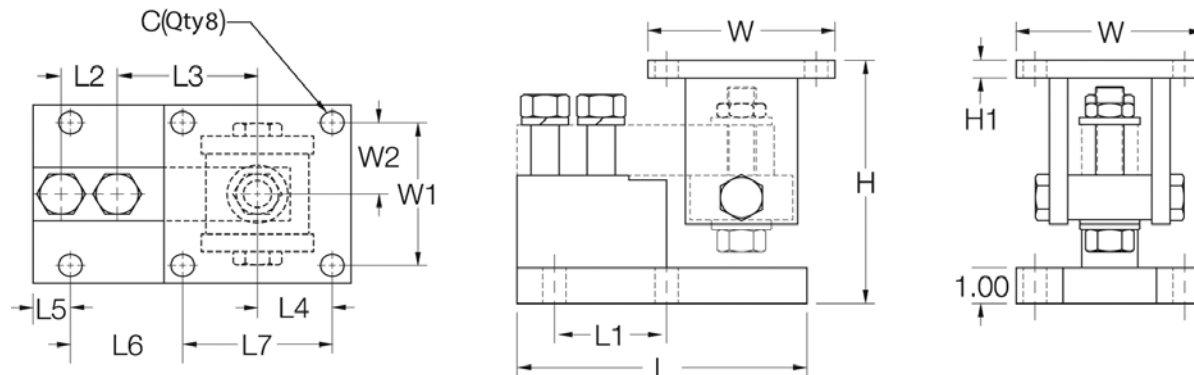
### Load Cell Certifications



*NOTE: Check with your local Weights & Measure officials for suitability in Legal for Trade applications.*

# RL1855 HE

Medium-Capacity Weigh Modules



## Dimensions

RATED CAPACITY	C	H MIN/MAX	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
<b>lb/inches</b>														
1,000-4,000	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000-10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
<b>kg/mm</b>														
453.6-1,814.4	15.8	133.4/141.2	12.7	152.4	50.8	25.4	76.2	50.8	17.3	49.3	101.6	127.0	101.6	50.8
2,268.0-4,535.9	15.8	155.4/168.1	12.7	196.9	76.2	38.1	95.3	50.8	26.2	75.4	101.6	127.0	101.6	50.8

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Modules (Includes Load Cell)</b>		
1,000 lb (453.6 kg)	32975	\$895.00
2,500 lb (1,134.0 kg)	32976	895.00
4,000 lb (1,814.4 kg)	32977	895.00
5,000 lb (2,268.0 kg)	32978	995.00
10,000 lb (4,535.9 kg)	32979	995.00

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
1,000 lb (453.6 kg)	30390	\$2,885.00
2,500 lb (1,134.0 kg)	30388	2,885.00
4,000 lb (1,814.4 kg)	30386	2,885.00
5,000 lb (2,268.0 kg)	30384	3,185.00
10,000 lb (4,535.9 kg)	30382	3,185.00
<b>4-Module Kit</b>		
1,000 lb (453.6 kg)	30389	3,780.00
2,500 lb (1,134.0 kg)	30387	3,780.00
4,000 lb (1,814.4 kg)	30385	3,780.00
5,000 lb (2,268.0 kg)	30383	4,180.00
10,000 lb (4,535.9 kg)	30381	4,180.00

## NEW RL1855 HE-HS

Medium-Capacity Weigh Modules with Hermetically Sealed Load Cells



*Picture is a representation of actual product*

The RL1855 HE-HS with module kit has all the features of the RL1855 HE kit but uses the upgraded RL35082HE hermetically sealed IP69K load cell.

### Standard Features

- All stainless steel construction
- Hermetically sealed, stainless steel IP69K
- NTEP Certified load cells, 5000 d Class III multiple load cell
- Self checking design with lift off/tip off protection
- Two-year limited warranty

### Applications

- Medium capacity hoppers, bins and tanks
- Chemical batching/blending
- Fertilizer blending

### Complete Kit Includes

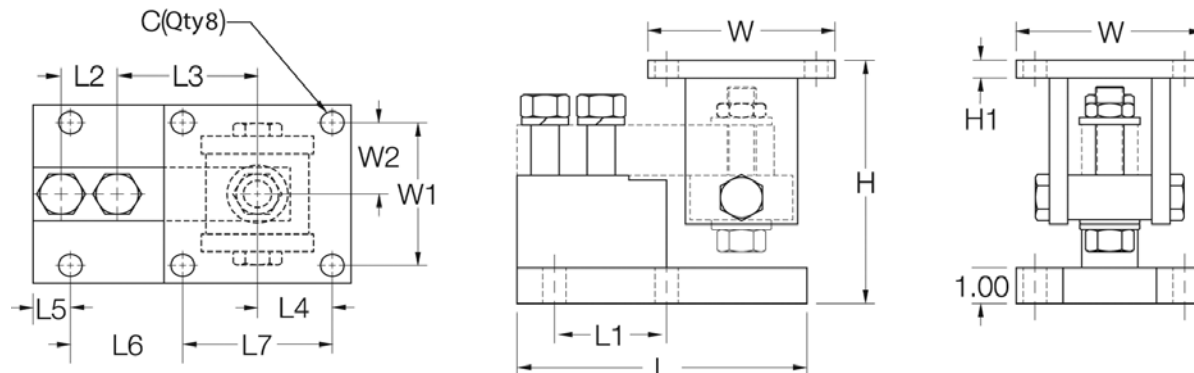
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1855 HE stainless steel mounts
- 3 or 4 RL35082 hermetically sealed NTEP Certified load cells
- 25 ft of hostile environment EL147HE SURVIVOR load cell cable

### Load Cell Certifications



# RL1855 HE-HS

Medium-Capacity Weigh Modules



## Dimensions

RATED CAPACITY	C	H MIN/MAX	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
<b>lb/inches</b>														
1,000-4,000	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000-10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
<b>kg/mm</b>														
453.6-1814.4	15.8	133.4/141.2	12.7	152.4	50.8	25.4	76.2	50.8	17.3	49.3	101.6	127.0	101.6	50.8
2,268.0-4,535.9	15.8	155.4/168.1	12.7	196.9	76.2	38.1	95.3	50.8	26.2	75.4	101.6	127.0	101.6	50.8

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Modules (Includes Load Cell)</b>		
1,000 lb (453.6 kg)	170857	\$975.00
2,500 lb (1,134.0 kg)	170858	975.00
4,000 lb (1,814.4 kg)	170859	975.00
5,000 lb (2,268.0 kg)	170860	1,075.00
10,000 lb (4,535.9 kg)	170861	1,075.00

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
1,000 lb (453.6 kg)	170862	\$3,125.00
2,500 lb (1,134.0 kg)	170863	3,125.00
4,000 lb (1,814.4 kg)	170864	3,125.00
5,000 lb (2,268.0 kg)	170865	3,265.00
10,000 lb (4,535.9 kg)	170866	3,265.00
<b>4-Module Kit</b>		
1,000 lb (453.6 kg)	170867	4,100.00
2,500 lb (1,134.0 kg)	170868	4,100.00
4,000 lb (1,814.4 kg)	170869	4,100.00
5,000 lb (2,268.0 kg)	170870	4,500.00
10,000 lb (4,535.9 kg)	170871	4,500.00



## RL2100 HE

### Heavy-Capacity Weigh Modules



*Picture is a representation of actual product*

Incorporating an articulating load plate, hardened load pin and double-ended beam load cell into one simple design, the RL2100HE tolerates eccentric loads and side loads of up to 100 percent of capacity. The RL2100 HE comes standard with NTEP Certified, 1:5000 division Class IIIL load cells, yielding up to 0.02 percent total error. An integral conduit adapter offers added washdown protection. These standard features give the RL2100 HE accuracy and dependability in one heavyweight package. The simple load introduction and load cell design provides consistent accuracy in washdown applications, making the RL2100 HE ideal for high-capacity hostile environments.

### Standard Features

- All stainless steel construction
- Welded seal, stainless steel load cells, IP67, guaranteed waterproof
- NTEP Certified load cells, 5000d, Class IIIL/10,000d, Class IIIL multiple cell
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking design with lift-off/tip-over protection
- Two-year limited warranty

### Applications

- Heavy-capacity tanks, blenders, reactors and bulk inventory management
- Petroleum refining process control
- Chemical blending/batching

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal-trim junction box
- 3 or 4 2100HE stainless steel compression mounts
- 3 or 4 RL75060S stainless steel, welded seal double-ended beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

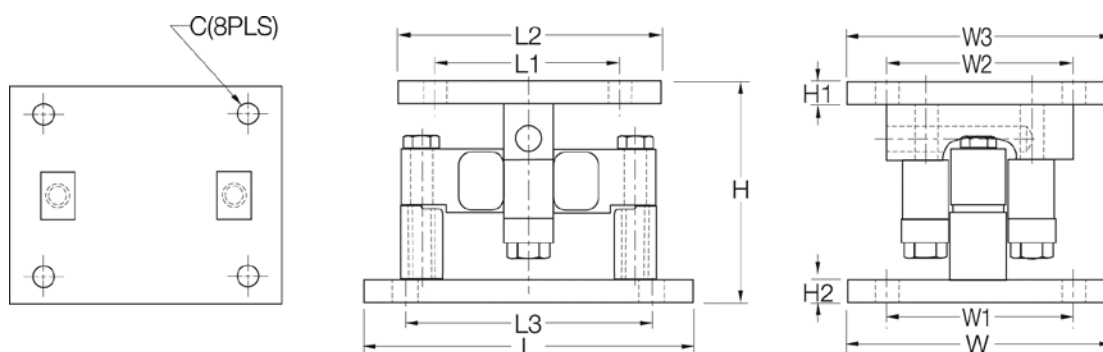
### Load Cell Certifications



*NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.*

# RL2100 HE

Heavy-Capacity Weigh Modules



## Dimensions

RATED CAPACITY	C	H	H1	H2	L	L1	L2	L3	W	W1	W2	W3
<b>lb/inches</b>												
20,000-25,000	0.78	6.85	0.75	0.75	10.00	6.00	8.00	7.50	8.00	6.00	6.00	8.00
35,000-100,000	1.13	9.42	1.00	1.00	14.00	6.50	9.00	11.50	10.00	7.50	6.50	9.00
<b>kg/mm</b>												
9,071.9-11,339.8	19.8	174.0	19.1	19.1	254.0	152.4	203.2	190.5	203.2	152.4	152.4	203.2
15,875.7-45,359.2	28.7	239.3	25.4	25.4	355.6	165.1	228.6	292.1	254.0	190.5	165.1	228.6

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module (Includes Load Cell)</b>		
20,000 lb (9,071.8 kg)	32951	\$1,725.00
25,000 lb (11,339.8 kg)	65541	1,725.00
35,000 lb (15,875.7 kg)	32952	2,575.00
50,000 lb (22,679.6 kg)	32953	2,575.00
60,000 lb (27,215.5 kg)	32954	2,575.00
75,000 lb (34,019.4 kg)	32955	2,575.00
100,000 lb (45,359.2 kg)	32956	4,400.00

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
20,000 lb (9,071.8 kg)	32970	\$5,200.00
25,000 lb (11,339.8 kg)	65984	5,200.00
35,000 lb (15,875.7 kg)	32969	7,770.00
50,000 lb (22,679.6 kg)	32968	7,770.00
60,000 lb (27,215.5 kg)	32967	7,770.00
75,000 lb (34,019.4 kg)	32966	7,770.00
100,000 lb (45,359.2 kg)	32965	12,675.00
<b>4-Module Kit</b>		
20,000 lb (9,071.8 kg)	32964	7,850.00
25,000 lb (11,339.8 kg)	65983	7,850.00
35,000 lb (15,875.7 kg)	32963	11,295.00
50,000 lb (22,679.6 kg)	32962	11,295.00
60,000 lb (27,215.5 kg)	32961	11,295.00
75,000 lb (34,019.4 kg)	32960	11,295.00
100,000 lb (45,359.2 kg)	32959	17,695.00

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# Weigh Modules

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# ITCM

## Isolated Tension Cell Modules

### Standard Features

- Capacities (per module): 100 lb-20,000 lb (45.4 kg-9,071.1 kg)
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents\*
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load cell loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies
- Zinc plated clevis assemblies

\*Excluding 20,000 lb (9,071.9 kg) capacity

### Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

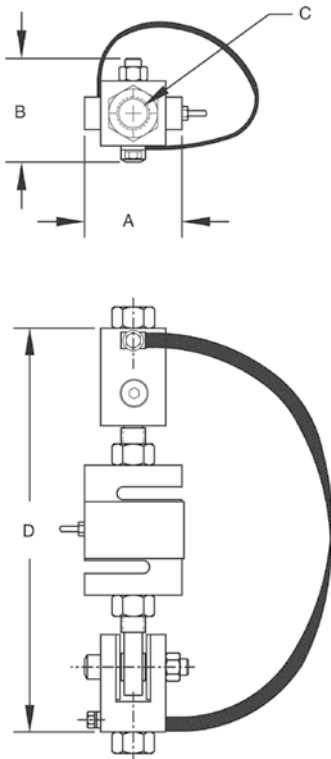
### Complete Kit Includes

- 3 or 4 ITCM assemblies with RL20000 NTEP Certified s-beam load cells
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM incorporates clevis and unique rod-end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, which are a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further provide safety to your load cells.



Module with RL20000 s-beam load cell.

Important: Read "Load Cell Mounting Hardware Safety Guidelines"



## Load Rating Dimensions - Inches (mm)\*

## Order Information

LOAD CELL CAPACITY		A		B		C		D		SINGLE MODULE		3-MODULE KIT		4-MODULE KIT	
										Part #	Price	Part #	Price	Part #	Price
100 lb	(45.4 kg)	2.00	(50.8)	1.81	(46.0)	3/8-16 NC	7.00 (ref)	(177.8)	17851	\$475.00	18003	\$1,650.00	18027	\$2,125.00	
100 lb	(45.4 kg)	2.00	(50.8)	1.81	(46.0)	1/2-13 NC	7.00 (ref)	(177.8)	17831	475.00	18004	1,650.00	18028	2,125.00	
150 lb	(68.0 kg)	2.00	(50.8)	1.81	(46.0)	3/8-16 NC	7.00 (ref)	(177.8)	30337	475.00	30357	1,650.00	30359	2,125.00	
150 lb	(68.0 kg)	2.00	(50.8)	1.81	(46.0)	1/2-13 NC	7.00 (ref)	(177.8)	30336	475.00	30358	1,650.00	30360	2,125.00	
200 lb	(90.7 kg)	2.00	(50.8)	1.81	(46.0)	3/8-16 NC	7.00 (ref)	(177.8)	30335	475.00	30361	1,650.00	30363	2,125.00	
200 lb	(90.7 kg)	2.00	(50.8)	1.81	(46.0)	1/2-13 NC	7.00 (ref)	(177.8)	30338	475.00	30362	1,650.00	30364	2,125.00	
250 lb	(113.4 kg)	2.00	(50.8)	1.81	(46.0)	3/8-16 NC	7.00 (ref)	(177.8)	17852	475.00	18005	1,650.00	18029	2,125.00	
250 lb	(113.4 kg)	2.00	(50.8)	1.81	(46.0)	1/2-13 NC	7.00 (ref)	(177.8)	17832	475.00	18006	1,650.00	18030	2,125.00	
500 lb	(226.8 kg)	2.68	(68.1)	2.68	(68.1)	1/2-13 NC	9.50 (ref)	(241.3)	17853	525.00	18007	1,775.00	18031	2,295.00	
500 lb	(226.8 kg)	2.68	(68.1)	2.68	(68.1)	5/8-11 NC	9.50 (ref)	(241.3)	17858	525.00	18008	1,775.00	18032	2,295.00	
500 lb	(226.8 kg)	2.68	(68.1)	2.68	(68.1)	3/4-10 NC	9.50 (ref)	(241.3)	17833	525.00	18009	1,775.00	18033	2,295.00	
750 lb	(340.2 kg)	2.68	(68.1)	2.68	(68.1)	1/2-13 NC	9.50 (ref)	(241.3)	17854	525.00	18010	1,775.00	18034	2,295.00	
750 lb	(340.2 kg)	2.68	(68.1)	2.68	(68.1)	5/8-11 NC	9.50 (ref)	(241.3)	17859	525.00	18011	1,775.00	18035	2,295.00	
750 lb	(340.2 kg)	2.68	(68.1)	2.68	(68.1)	3/4-10 NC	9.50 (ref)	(241.3)	17834	525.00	18012	1,775.00	18036	2,295.00	
1,000 lb	(453.6 kg)	2.68	(68.1)	2.68	(68.1)	1/2-13 NC	9.50 (ref)	(241.3)	17855	525.00	18013	1,775.00	18037	2,295.00	
1,000 lb	(453.6 kg)	2.68	(68.1)	2.68	(68.1)	5/8-11 NC	9.50 (ref)	(241.3)	17860	525.00	18014	1,775.00	18038	2,295.00	
1,000 lb	(453.6 kg)	2.68	(68.1)	2.68	(68.1)	3/4-10 NC	9.50 (ref)	(241.3)	17835	525.00	18015	1,775.00	18039	2,295.00	
1,500 lb	(680.4 kg)	2.68	(68.1)	2.68	(68.1)	1/2-13 NC	9.50 (ref)	(241.3)	17856	525.00	18016	1,775.00	18040	2,295.00	
1,500 lb	(680.4 kg)	2.68	(68.1)	2.68	(68.1)	5/8-11 NC	9.50 (ref)	(241.3)	17861	525.00	18017	1,775.00	18041	2,295.00	
1,500 lb	(680.4 kg)	2.68	(68.1)	2.68	(68.1)	3/4-10 NC	9.50 (ref)	(241.3)	17836	525.00	18018	1,775.00	18042	2,295.00	
2,000 lb	(907.2 kg)	2.68	(68.1)	2.68	(68.1)	1/2-13 NC	9.50 (ref)	(241.3)	17857	525.00	18019	1,775.00	18043	2,295.00	
2,000 lb	(907.2 kg)	2.68	(68.1)	2.68	(68.1)	5/8-11 NC	9.50 (ref)	(241.3)	17862	525.00	18020	1,775.00	18044	2,295.00	
2,000 lb	(907.2 kg)	2.68	(68.1)	2.68	(68.1)	3/4-10 NC	9.50 (ref)	(241.3)	17837	525.00	18021	1,775.00	18045	2,295.00	
2,500 lb	(1,134.0 kg)	2.68	(68.1)	2.68	(68.1)	5/8-11 NC	9.50 (ref)	(241.3)	17863	525.00	18022	1,775.00	18046	2,295.00	
2,500 lb	(1,134.0 kg)	2.68	(68.1)	2.68	(68.1)	3/4-10 NC	9.50 (ref)	(241.3)	17838	525.00	18023	1,775.00	18047	2,295.00	
3,000 lb	(1,360.8 kg)	3.37	(85.6)	3.37	(85.6)	3/4-10 NC	10.50 (ref)	(266.7)	30339	550.00	30365	1,885.00	30366	2,395.00	
5,000 lb	(2,268.0 kg)	3.37	(85.6)	3.37	(85.6)	3/4-10 NC	12.25 (ref)	(311.2)	17864	725.00	18024	2,375.00	18048	3,095.00	
5,000 lb	(2,268.0 kg)	3.37	(85.6)	3.37	(85.6)	1-8 NC	12.25 (ref)	(311.2)	17839	725.00	18025	2,375.00	18049	3,095.00	
10,000 lb	(4,535.9 kg)	3.37	(85.6)	3.37	(85.6)	1-8 NC	12.25 (ref)	(311.2)	17840	725.00	18026	2,375.00	18050	3,095.00	
15,000 lb	(6,803.9 kg)	4.00	(101.6)	4.12	(104.6)	1 1/4-7 NC	18.00 (ref)	(457.2)	17960	1,525.00	30353	4,795.00	30354	6,295.00	
20,000 lb	(9,071.9 kg)	5.00	(127.0)	4.12	(104.6)	1 1/2-6 UNC	20.00 (ref)	(508.0)	17961	1,800.00	30355	5,595.00	30356	7,395.00	

\*Load Rating is per module

## ITCM SS

Stainless Steel Isolated Tension Cell Modules

### Standard Features

- Capacities (per module): 100 lb-5,000 lb (45.4 kg-2,268.0 kg)
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load cell loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

### Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### Complete Kit Includes

- 3 or 4 ITCM assemblies with RL20000 ST NTEP Certified s-beam load cells
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM SS incorporates clevis and unique rod-end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, which are a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further provide safety to your load cells.



Module with RL20000 ST s-beam load cell.  
Important: Read "Load Cell Mounting Hardware Safety Guidelines"

# ITCM SS

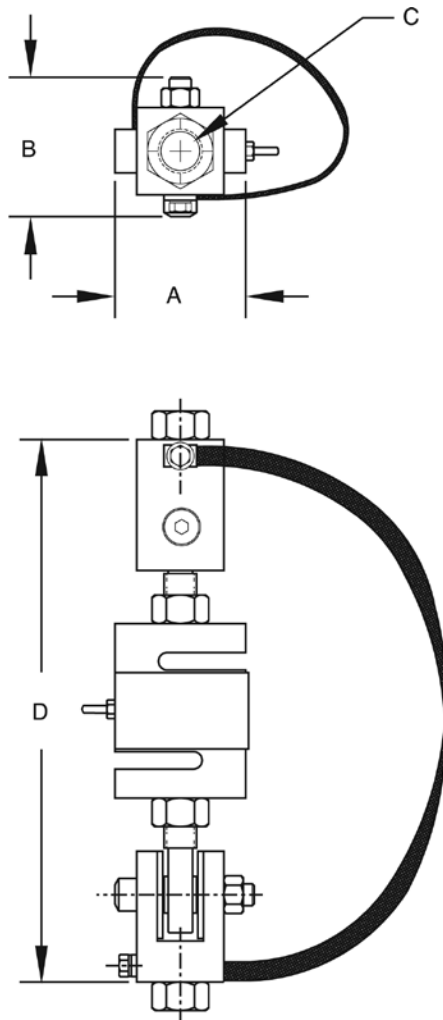
Stainless Steel Isolated Tension Cell Modules

## Load Rating Dimensions - Inches (mm)\*

## Order Information

LOAD CELL CAPACITY	A	B	C	D	SINGLE MODULE		3-MODULE KIT		4-MODULE KIT	
					Part #	Price	Part #	Price	Part #	Price
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46765	\$750.00	46735	\$2,460.00	46751	\$3,115.00
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46766	750.00	46736	2,460.00	46752	3,115.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46767	750.00	46737	2,460.00	46753	3,115.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46768	750.00	46738	2,460.00	46754	3,115.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46769	750.00	46739	2,460.00	46755	3,115.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46770	750.00	46740	2,460.00	46756	3,115.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46771	750.00	46741	2,460.00	46757	3,115.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46772	750.00	46742	2,460.00	46758	3,115.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46773	750.00	46743	2,460.00	46759	3,115.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46774	750.00	46744	2,460.00	46760	3,115.00
2,500 lb (1,134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46775	750.00	46745	2,460.00	46761	3,115.00
2,500 lb (1,134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46776	750.00	46746	2,460.00	46762	3,115.00
3,000 lb (1,360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.75 (ref) (273.0)	46777	800.00	46747	2,610.00	46763	3,315.00
5,000 lb (2,268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.00 (ref) (304.8)	46778	1,390.00	46748	4,455.00	46764	5,775.00

\* Load Rating is per module



## ITCM HE

Stainless Steel, Welded-Seal NTEP Certified Isolated Tension Cell Modules

### Standard Features

- Capacities (per module): 500 lb-5,000 lb (226.8 kg-2,268.0 kg)
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load-cell loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

### Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### Complete Kit Includes

- 3 or 4 ITCM assemblies with RL20001HE stainless steel, welded seal
- NTEP Certified s-beam load cells
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM HE incorporates clevis and unique rod-end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, which are a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further provide safety to your load cells.

Module with RL20001 HE s-beam load cell.

Important: Read "Load Cell Mounting Hardware Safety Guidelines"



# ITCM HE

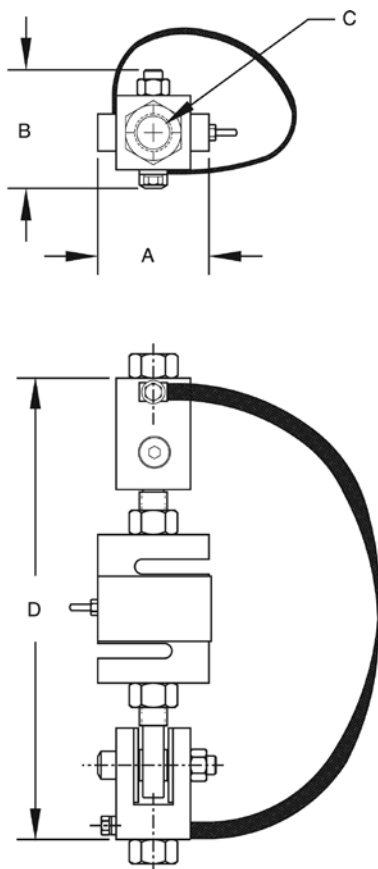
Stainless Steel, Welded-Seal NTEP Certified Isolated Tension Cell Modules

## Load Rating Dimensions - Inches (mm)\*

## Order Information

LOAD CELL CAPACITY	A	B	C	D	SINGLE MODULE		3-MODULE KIT		4-MODULE KIT	
					Part #	Price	Part #	Price	Part #	Price
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46599	\$1,365.00	46561	\$4,095.00	46580	\$5,460.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46600	1,365.00	46562	4,095.00	46581	5,460.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46601	1,365.00	46563	4,095.00	46582	5,460.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46602	1,365.00	46564	4,095.00	46583	5,460.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46603	1,365.00	46565	4,095.00	46584	5,460.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46604	1,365.00	46566	4,095.00	46585	5,460.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46605	1,365.00	46567	4,095.00	46586	5,460.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46606	1,365.00	46568	4,095.00	46587	5,460.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46607	1,365.00	46569	4,095.00	46588	5,460.00
1,500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46608	1,365.00	46570	4,095.00	46589	5,460.00
1,500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46609	1,365.00	46571	4,095.00	46590	5,460.00
1,500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46610	1,365.00	46572	4,095.00	46591	5,460.00
2,000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46611	1,365.00	46573	4,095.00	46592	5,460.00
2,000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46612	1,365.00	46574	4,095.00	46593	5,460.00
2,000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46613	1,365.00	46575	4,095.00	46594	5,460.00
2,500 lb (1,134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46614	1,365.00	46576	4,095.00	46595	5,460.00
2,500 lb (1,134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46615	1,365.00	46577	4,095.00	46596	5,460.00
3,000 lb (1,360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.00 (ref) (254.0)	46616	1,365.00	46578	4,095.00	46597	5,460.00
5,000 lb (2,268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.62 (ref) (320.5)	46617	2,035.00	46579	6,105.00	46598	8,140.00

\* Load rating is per module





## RL50210 TA

50 lb-500 lb Capacity Mini Tank Weighing Module

### Standard Features

- Zinc plated, mild steel modules
- Lower weighing ranges from 50 lb-500 lb (22.7 kg-226.8 kg) per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop for 500 lb (226.8 kg) modules provides durability

### Applications

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where minor shock loading may be a problem

### Optional Features

- Stainless steel modules available in 50, 100, 150, 250 and 500 lb (22.7, 45.4, 68.0, 113.4, 226.8 kg) capacities with RL50210SS, RL50210SS and RL39123 stainless steel load cells or VPG Sensortronics® 65023 SS load cells
- 65059 kits available with VPG Sensortronics 60040 load cells, capacities: 50 lb-250 lb (22.7 kg-113.4 kg) or 65023 load cells, capacity: 500 lb (226.8 kg)

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL50210 cantilever beam load cells (50-250 lb models)
- 3 or 4 RL30000 single-ended beam load cells (500 lb models)
- 3 or 4 RL50210SS cantilever beam load cells (50 lb-250 lb)
- 3 or 4 RL39123 stainless steel single-ended beam load cells (500 lb kits)
- 3 or 4 neoprene isolation/compression mounts
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



Rice Lake model  
only, not stainless  
steel models



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL50210 TA weigh module kit provides a cost-effective alternative for your customers' low-range weighing needs. A variety of features makes this kit easy to install and an exceptional choice for various indoor weighing applications where checking requirements are low. Environmentally protected load cells, neoprene isolation/compression mounts and other Rice Lake Weighing Systems' components are the keys to this module's outstanding performance.

Module with RL50210 or RL50210SS cantilever beam load cell; capacities (per module): 50 lb (22.7 kg), 100 lb (45.4 kg), 150 lb (68.0 kg) and 250 lb (113.4 kg). 500 lb model features RL30000 single-ended beam load cell



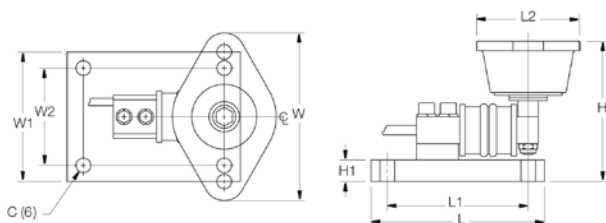
RL50210TA mild steel  
(50 lb-250 lb)



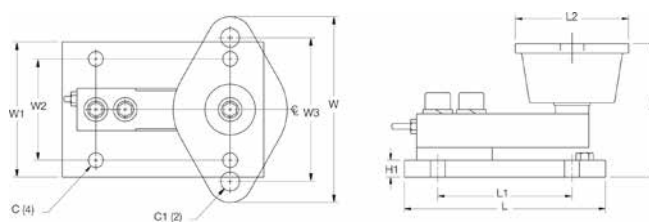
RL50210TA-SS, stainless steel  
(50 lb-250 lb)

# RL50210 TA

50lb-500 lb Capacity Mini Tank Weighing Module



50-250 lb (22.7-113.4 kg)



500 lb (226.8 kg)

## Dimensions

RATED CAPACITY	C	C1	H	H1	L	L1	L2	W	W1	W2	W3
<b>lb/inches</b>											
50-250	0.34	—	3.13	0.50	4.00	3.25	2.38	3.88	3.00	2.25	—
500	0.44	0.56	3.88	0.50	6.00	4.00	3.38	5.50	4.00	3.00	4.13
<b>kg/mm</b>											
22.7-113.4	8.6	—	79.5	12.7	101.6	82.6	60.5	98.6	76.2	57.2	—
226.8	11.2	14.2	98.6	12.7	152.4	101.6	85.9	139.7	101.6	76.2	104.9

## Order Information

LOAD RATING (PER MODULE)*	PART #	PRICE
<b>Mild Steel Single Module (Includes Load Cell)</b>		
50 lb (22.7 kg)	17844	\$395.00
100 lb (45.4 kg)	17845	395.00
150 lb (68.0 kg)	17846	395.00
250 lb (113.4 kg)	17847	395.00
500 lb (226.8 kg)	17848	525.00
<b>Mild Steel 3-Module Kit</b>		
50 lb (22.7 kg)	18051	1,370.00
100 lb (45.4 kg)	18052	1,370.00
150 lb (68.0 kg)	18053	1,370.00
250 lb (113.4 kg)	18054	1,370.00
500 lb (226.8 kg)	18055	1,775.00
<b>Mild Steel 4-Module Kit</b>		
50 lb (22.7 kg)	18057	1,760.00
100 lb (45.4 kg)	18058	1,760.00
150 lb (68.0 kg)	18059	1,760.00
250 lb (113.4 kg)	18060	1,760.00
500 lb (226.8 kg)	18061	2,250.00
<b>Stainless Steel Single Module (Includes Load Cell)</b>		
50 lb (22.7 kg)	63033	625.00
100 lb (45.4 kg)	63034	625.00
150 lb (68.0 kg)	63035	625.00
250 lb (113.4 kg)	63036	625.00
500 lb (226.8 kg)	17954	610.00
<b>Stainless Steel 3-Module Kit</b>		
500 lb (226.8 kg)	30394	2,020.00
<b>Stainless Steel 4-Module Kit</b>		
500 lb (226.8 kg)	30393	2,650.00

## VPG Scentroidics 65059

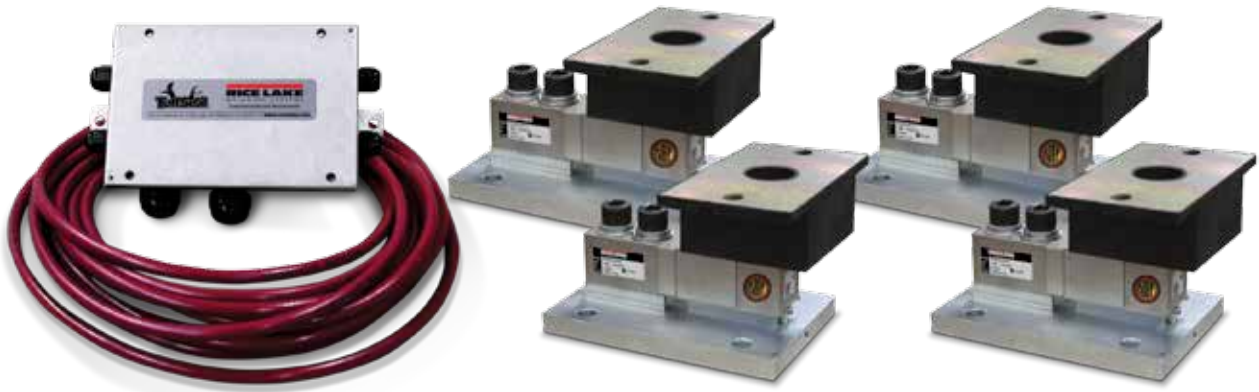
### Order Information

LOAD RATING (PER MODULE)*	PART #	PRICE
<b>Mild Steel Single Module (Includes Load Cell)</b>		
50 lb (22.7 kg)	17825	\$395.00
100 lb (45.4 kg)	17826	395.00
150 lb (68.0 kg)	17827	395.00
250 lb (113.4 kg)	17828	395.00
500 lb (226.8 kg)	17829	525.00
<b>Mild Steel 3-Module Kit</b>		
50 lb (22.7 kg)	18063	1,370.00
100 lb (45.4 kg)	18064	1,370.00
150 lb (68.0 kg)	18065	1,370.00
250 lb (113.4 kg)	18066	1,370.00
500 lb (226.8 kg)	18067	1,775.00
<b>Mild Steel 4-Module Kit</b>		
50 lb (22.7 kg)	18069	1,760.00
100 lb (45.4 kg)	18070	1,760.00
150 lb (68.0 kg)	18071	1,760.00
250 lb (113.4 kg)	18072	1,760.00
500 lb (226.8 kg)	18073	2,250.00
<b>Stainless Steel Single Module (Includes Load Cell)</b>		
500 lb (226.8 kg)	17950	610.00
<b>Stainless Steel 3-Module Kit</b>		
500 lb (226.8 kg)	30392	2,020.00
<b>Stainless Steel 4-Module Kit</b>		
500 lb (226.8 kg)	30391	2,650.00

\* Load rating is per module

## RL50210 TA

1,000lb-2,500lb Capacity Mini Tank Weighing Module



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL50210 TA weigh module kit provides a cost-effective alternative for your customers' medium-range weighing needs. A variety of features makes this kit easy to install and an exceptional choice for various indoor weighing applications where checking requirements are low. Environmentally protected load cells, neoprene isolation/compression mounts and other Rice Lake Weighing Systems components are the keys to this module's performance.

Module with RL35023 single-ended shear beam load cell; capacities (per module): NTEP Certified 1,000 lb (453.6 kg) load cell shown.



### Standard Features

- NTEP Certified load cells (alloy steel only), 1:5,000 d, Class III multiple cell
- Zinc plated, mild steel assemblies
- Medium weighing ranges from 1,000 lb-2,500 lb (453.6 kg-1,134.0 kg) per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop provides durability
- RL50210 stainless steel mounts use RL35023S stainless steel load cells, capacities: 1,000 lb-2,500 lb (453.6 kg-1,134.0 kg) NTEP Certified cells
- 65059 stainless steel mounts use VPG Sensortronics 65023S NTEP Certified stainless steel load cells

### Applications

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where minor shock loading may be a problem

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL35023 shear beam load cells
- 3 or 4 neoprene isolation/compression mounts
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Optional Features

- Welded stainless steel cells available in stainless steel mounts

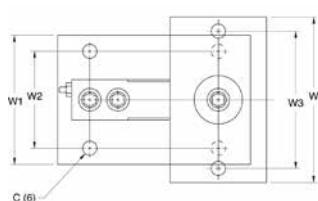
### Load Cell Certifications



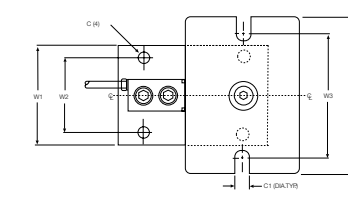
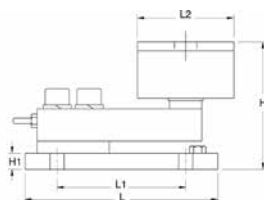
NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# RL50210 TA

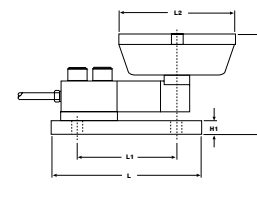
1,000lb-2,500 lb Capacity Mini Tank Weighing Module



1,000 lb (453.6 kg)



2,000 lb-2,500 lb (907.2 kg-1,134.0 kg)



## Dimensions

RATED CAPACITY C	C1	H	H1	L	L1	L2	W	W1	W2	W3
<b>lb/inches</b>										
1,000	0.44	—	4.00	0.50	6.00	4.00	3.00	5.13	4.00	4.13
2,000-2,500	0.44	0.56	4.00	0.50	6.00	4.00	4.62	6.25	4.00	5.00
<b>kg/mm</b>										
453.6	11.2	—	101.6	12.7	152.4	101.6	76.2	130.3	101.6	104.9
907.2-1,134.0	11.2	14.2	101.6	12.7	152.4	101.6	117.3	158.8	101.6	127.0

## Order Information

LOAD RATING (PER MODULE)*	PART #	PRICE
<b>Mild Steel Single Module (Includes Load Cell)</b>		
1,000 lb (453.6 kg)	17849	\$525.00
2,000 lb (907.2 kg)	17948	525.00
2,500 lb (1,134.0 kg)	17949	525.00
<b>Mild Steel 3-Module Kit</b>		
1,000 lb (453.6 kg)	18056	1,775.00
2,000 lb (907.2 kg)	30398	1,775.00
2,500 lb (1,134.0 kg)	30396	1,775.00
<b>Mild Steel 4-Module Kit</b>		
1,000 lb (453.6 kg)	18062	2,275.00
2,000 lb (907.2 kg)	30397	2,275.00
2,500 lb (1,134.0 kg)	30395	2,275.00
<b>Stainless Steel Single Module (Includes Load Cell)</b>		
1,000 lb (453.6 kg)	17955	610.00
2,000 lb (907.2 kg)	17956	610.00
2,500 lb (1,134.0 kg)	17957	610.00
<b>Stainless Steel 3-Module Kit</b>		
1,000 lb (453.6 kg)	30404	2,020.00
2,000 lb (907.2 kg)	30402	2,020.00
2,500 lb (1,134.0 kg)	30400	2,020.00
<b>Stainless Steel 4-Module Kit</b>		
1,000 lb (453.6 kg)	30403	2,650.00
2,000 lb (907.2 kg)	30401	2,650.00
2,500 lb (1,134.0 kg)	30399	2,650.00

\* Load Rating is per module

## VPG Scentroidics® 65059

## Order Information

LOAD RATING (PER MODULE)*	PART #	PRICE
<b>Mild Steel Single Module (Includes Load Cell)</b>		
1000 lb (453.6 kg)	17830	\$525.00
2000 lb (907.2 kg)	17946	525.00
2500 lb (1,134.0 kg)	17947	525.00
<b>Mild Steel 3-Module Kit</b>		
1000 lb (453.6 kg)	18068	1,775.00
2000 lb (907.2 kg)	30413	1,775.00
2500 lb (1,134.0 kg)	30412	1,775.00
<b>Mild Steel 4-Module Kit</b>		
1000 lb (453.6 kg)	18074	2,275.00
2000 lb (907.2 kg)	30414	2,275.00
2500 lb (1,134.0 kg)	30411	2,275.00
<b>Stainless Steel Single Module (Includes Load Cell)</b>		
1000 lb (453.6 kg)	17951	610.00
2000 lb (907.2 kg)	17952	610.00
2500 lb (1,134.0 kg)	17953	610.00
<b>Stainless Steel 3-Module Kit</b>		
1000 lb (453.6 kg)	30410	2,020.00
2000 lb (907.2 kg)	30408	2,020.00
2500 lb (1,134.0 kg)	30406	2,020.00
<b>Stainless Steel 4-Module Kit</b>		
1000 lb (453.6 kg)	30409	2,650.00
2000 lb (907.2 kg)	30407	2,650.00
2500 lb (1,134.0 kg)	30405	2,650.00

\* Load Rating is per module

## Paramounts® EP

(Environmentally Protected) Mild Steel, Light- to Medium-Capacity Tank Weighing Systems

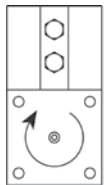


Available in configurations with three or four mounting assemblies.

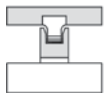
Picture is a representation of actual product

The Paramounts EP system offers all the design advantages of the Paramounts system in applications where the extensive sealing of the SB4 load cell is not necessary. Paramounts EP provides a low-cost alternative for the superior mechanical loading system found in the standard Paramounts. Economy and performance are in one complete weighing system.

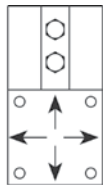
Free-sliding module with Flintec SB5 bending beam load cell.



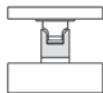
A: FIXED PIN



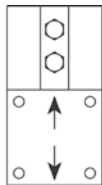
Fixed-Pin Mount



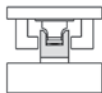
B: FREE SLIDING



Free-Sliding Mount



C: SIDE STOP



Side-Stop Mount

### Standard Features

- Capacities (per module): 1,125 lb-22,500 lb (1 kN/102.1 kg-100 kN/10,205.9 kg)
- NTEP Certified load cells
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on PTFE-coated surfaces
- Load cell outputs are matched to  $\pm 0.07\%$  allowing replacement without further calibration

### Applications

- Light to medium-capacity tanks and hoppers
- High-vibration mixers and blenders
- Process measurement and control

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 1 fixed-pin module, 1 side-stop module, and 1 or 2 free-sliding assemblies. Each module is complete with a Flintec® SB5 NTEP Certified 1:5000d, Class III, stainless steel environmentally protected load cell.
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications

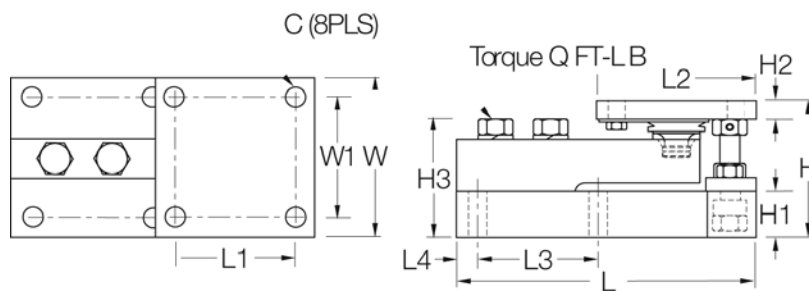
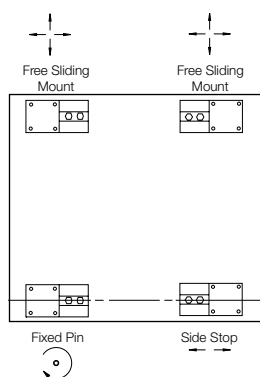


Available

NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# Paramounts® EP

(Environmentally Protected) Mild Steel, Light- to-Medium-Capacity Tank Weighing Systems



## VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures that there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.

## Dimensions

RATED CAPACITY	C	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	Q (FT- LB)
<b>lb/inches</b>														
1,125-4,500 (5-23 kN†)	0.437	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00	65.00
11,250 (50 kN†)	0.562	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87	295.00
22,500 (100 kN†)	0.688	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75	515.00
<b>kg/mm</b>														
510.8-2,041.0	11.1	90.9	31.8	12.7	19.1	77.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	—
5,107.5	14.3	118.4	38.1	15.7	25.4	103.9	233.4	98.3	127.0	98.3	14.2	127.0	98.3	—
10,215.0	17.5	162.8	50.8	19.1	31.8	145.5	291.1	120.7	152.4	120.7	17.5	152.4	120.7	—

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>NTEP Certified 3-Module Kits</b>		
1,125 lb (5 kN†/510.8 kg)	33683	\$2,175.00
2,250 lb (10 kN†/1,021.5 kg)	33682	2,175.00
4,500 lb (20 kN†/2,041.2 kg)	33681	2,175.00
11,250 lb (50 kN†/5,107.5 kg)	33680	2,495.00
<b>NTEP Certified 4-Module Kits</b>		
1,125 lb (5 kN†/510.8 kg)	33678	2,900.00
2,250 lb (10 kN†/1,021.5 kg)	33677	2,900.00
4,500 lb (20 kN†/2,041.2 kg)	33676	2,900.00
11,250 lb (50 kN†/5,107.5 kg)	33675	3,695.00
<b>Non-NTEP Certified 3-Module Kit</b>		
22,500 lb (100 kN†/10,205.8 kg)	33679	3,975.00
<b>Non-NTEP Certified 4-Module Kit</b>		
22,500 lb (100 kN†/10,215.0 kg)	33674	4,900.00

\* Side stop and free sliding units

\*\* Fixed pin units

† kN = Kilonewtons 1 kN = 224.8089 lb



# Paramounts® HS

(Hermetically Sealed Load Cells) Mild Steel, Light- to Medium-Capacity Tank Weighing Systems

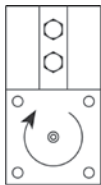


Available in configurations with three or four mounting assemblies.

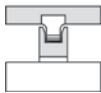
Picture is a representation of actual product

The Paramounts tank weighing system consists of one fixed-pin mount which allows only the top plate to rotate, one side-stop mount which allows the top plate to slide along the cell only, and one or more free-sliding mount(s) which allow the top plate to slide freely in all directions. This system provides self checking in applications of extreme temperature fluctuations and vibration while maintaining unparalleled system accuracy.

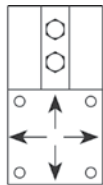
Free-sliding module with Flintec SB4 bending beam load cell.



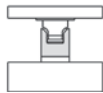
A: FIXED PIN



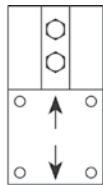
Fixed-Pin Mount



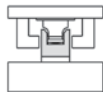
B: FREE SLIDING



Free-Sliding Mount



C: SIDE STOP



Side-Stop Mount

## Standard Features

- Capacities (per module): 520lb-22,500lb (2.3kN/102.1 kg-100kN/10,205.9kg)
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on PTFE-coated surfaces
- Load cell outputs are matched to  $\pm 0.07\%$ , allowing replacement without further calibration

## Applications

- Light- to medium-capacity tanks and hoppers
- High-vibration mixers and blenders
- Process measurement and control

## Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 1 fixed-pin module, 1 side-stop module, and 1 or 2 free-sliding assemblies. Each module is complete with a Flintec® SB4 or SB10 (520lb) stainless steel hermetically sealed load cell.
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Optional Features

- NTEP Certified load cells available: capacities 1,125lb-11,250lb

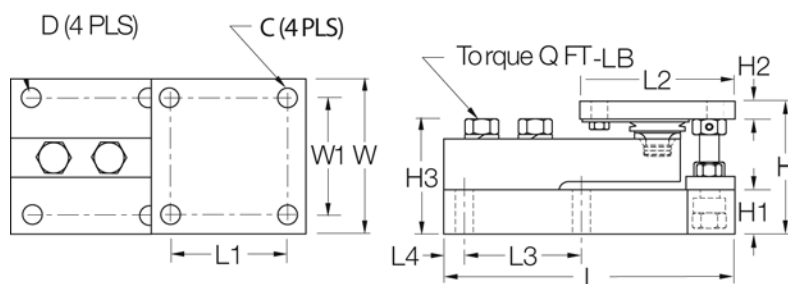
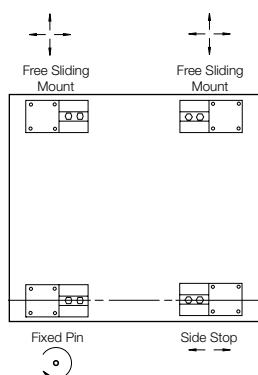
## Load Cell Certifications



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# Paramounts® HS

(Hermetically Sealed Load Cells) Mild Steel, Light- to Medium-Capacity Tank Weighing Systems



## VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures that there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.

## Dimensions

RATED CAPACITY	C	D	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	Q (FT-LB)
<b>lb/inches</b>															
520 (2.3 kN†)	0.375	0.437	3.49	1.00	0.50	0.75	2.98	7.51	3.00	4.00	3.00	0.50	4.00	3.00	65.00
1,125-5,200 (5-23 kN†)	0.437	0.437	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00	65.00
11,250 (50 kN†)	0.562	0.562	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87	295.00
22,500 (100 kN†)	0.688	0.688	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75	515.00
<b>kg/mm</b>															
236.1	9.5	11.1	88.6	25.4	12.7	19.1	75.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	—
510.8-2,360.0	11.1	11.1	90.9	31.8	12.7	19.1	77.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	—
5,107.5	14.3	14.3	118.4	38.1	15.7	25.4	103.9	233.4	98.3	127.0	98.3	14.2	127.0	98.3	—
10,215.0	17.5	17.5	162.8	50.8	19.1	31.8	145.5	291.1	120.7	152.4	120.7	17.5	152.4	120.7	—

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>NTEP Certified 3-Module Kit</b>		
1,125 lb (5 kN†/510.8 kg)	29871	\$2,695.00
2,250 lb (10 kN†/1,021.5 kg)	29872	2,695.00
5,200 lb (23 kN†/2,360.8 kg)	29873	2,695.00
11,250 lb (50 kN†/5,107.5 kg)	29874	3,295.00
<b>NTEP Certified 4-Module Kit</b>		
1,125 lb (5 kN†/510.8 kg)	29875	3,525.00
2,250 lb (10 kN†/1,021.5 kg)	29876	3,525.00
5,200 lb (23 kN†/2,360.8 kg)	29877	3,525.00
11,250 lb (50 kN†/5,107.5 kg)	29878	3,895.00

\* Side stop and free sliding units

\*\* Fixed pin units

† kN = Kilonewtons 1 kN = 224.8089 lb

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Non-NTEP Certified 3-Module Kit</b>		
520 lb (2.3 kN†/236.1 kg)	38205	\$3,595.00
1,125 lb (5 kN†/510.8 kg)	17977	2,695.00
2,250 lb (10 kN†/1,021.5 kg)	17978	2,695.00
5,200 lb (23 kN†/2,360.8 kg)	17979	2,695.00
11,250 lb (50 kN†/5,107.5 kg)	17980	3,295.00
22,500 lb (100 kN†/10,215.0 kg)	17981	4,095.00
<b>Non-NTEP Certified 4-Module Kit</b>		
520 lb (2.3 kN†/236.1 kg)	38206	4,795.00
1,125 lb (5 kN†/510.8 kg)	17984	3,525.00
2,250 lb (10 kN†/1,021.5 kg)	17985	3,525.00
5,200 lb (23 kN†/2,360.8 kg)	17986	3,525.00
11,250 lb (50 kN†/5,107.5 kg)	17987	4,095.00
22,500 lb (100 kN†/10,215.0 kg)	17988	4,995.00
**Conduit adapter	17703	35.00

\*\*1/2-14 NPT

## RLBTM Mild/Stainless

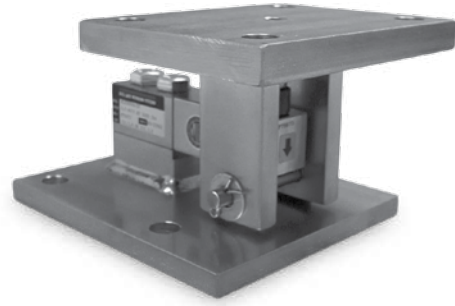
### Steel Weigh Modules

#### Standard Features

- Capacities (per module): 500 lb-5,000 lb SE mild steel/1,000 lb-4,000 lb stainless steel
- Zinc plated mild steel construction or stainless steel
- Self-checking, multi-directional movement
- Design incorporates a ball and cup for self centering
- The RLBTM will accommodate a standard shear beam 500 lb-5,000 lb SE load cell that has a threaded load hole: RL30000, RL39123, RL35023, RL35082, RL35083

#### Applications

- Light- to medium-capacity tanks and hoppers
- Conveyors



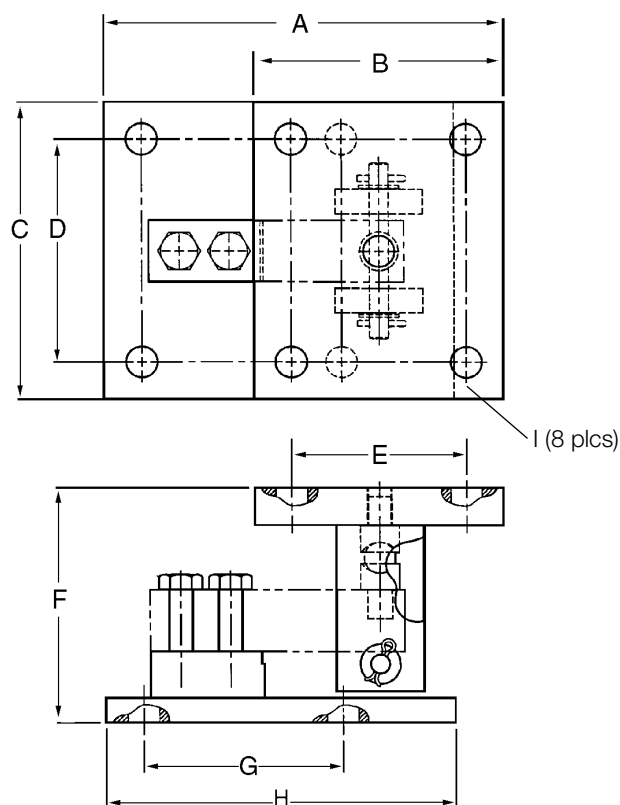
*Does not include load cell.*

*Picture is a representation of actual product*

The RLBTM mount was specifically created to take advantage of the improved load introduction accuracy of the ball and cup design. This multi-purpose mount is ideal for both indoor and outdoor applications, and can be used with a variety of single-ended beam load cells. Available in both mild and stainless steel, the RLBTM offers superior accuracy at an affordable price. These assemblies are also quick and easy to install, making the RLBTM the perfect choice for your low-capacity, multi-purpose weighing needs.

# RLBTM Mild/Stainless

Steel Weigh Modules



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I
<b>lb/inches</b>									
250-5,000 SE*	8.00	5.00	6.00	4.50	3.50	4.75	4.00	7.00	0.63
<b>kg/mm</b>									
113.4/2,268.0	203.2	127.00	152.4	114.3	88.9	120.6	101.6	177.8	16.0

## Mild Steel Order Information

LOAD RATING (PER MODULE)**	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
500lb-5,000lb SE (113.4 kg-2,268.0 kg)	53059	\$350.00

\*SE refers to small envelope

\*\* Load rating is per module

## Stainless Steel Order Information

LOAD RATING (PER MODULE)**	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
1,000-4,000 lb (453.6-1,814.4 kg)	53066	\$535.00

## RL1800 Series

Mild Steel/Stainless Steel Weigh Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL1800 Series mounting assembly kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1800 Series kit is ideally suited for indoor and outdoor process control operations with medium-range capacities. Each module combines multi-directional movement and self-checking capabilities. The RL35023 and RL35023S load cells used are NTEP Certified in capacities of 1,000lb to 10,000lb.



Module with RL35023 single-ended beam load cell.

### Standard Features

- Capacities (per module): 250lb-10,000lb (113.4kg-4535.9kg)
- NTEP Certified cells in 1,000lb-10,000lb (453.6kg-4535.9kg) capacities, except 3,000lb (1,360.9kg)
- Zinc plated mild steel/stainless steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering
- Stainless steel kit includes RL35023S NTEP Certified load cell

### Applications

- Conveyors
- Medium-capacity tanks and hoppers

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1800 mild or stainless steel compression mounts
- 3 or 4 RL35023 single-ended beam load cells, RL35023S used in stainless kits
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

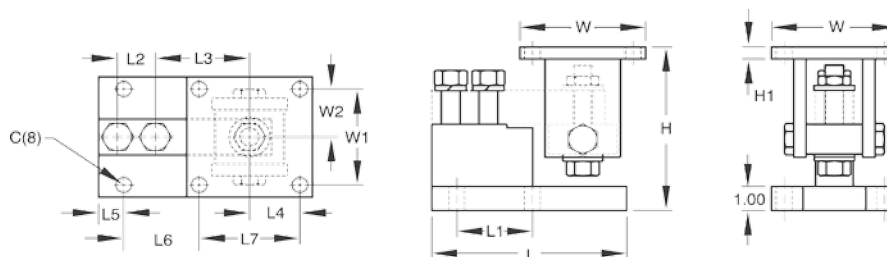
### Load Cell Certifications



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# RL1800 Series

Mild Steel/Stainless Steel Weigh Modules



## Dimensions

RATED CAPACITY	C	H MIN/ MAX	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
<b>Mild Steel Construction</b>														
<b>lb/inches</b>														
250-5,000 SE*	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000 LE** - 10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
<b>kg/mm</b>														
1,13.4-2,268.0	15.8	133.4/141.2	12.7	152.4	50.8	25.4	76.2	50.8	17.3	49.3	101.6	127.0	101.6	50.8
2,268.0-4,535.9	15.8	155.4/168.1	12.7	196.9	76.2	38.1	95.3	50.8	26.2	75.4	101.6	127.0	101.6	50.8
<b>Stainless Steel Construction</b>														
<b>lb/inches</b>														
1,000-4,000	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000-10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
<b>kg/mm</b>														
453.6-1814.4	15.8	133.4/141.2	12.7	152.4	50.8	25.4	76.2	50.8	17.3	49.3	101.6	127.0	101.6	50.8
2,268.0-4,535.9	15.8	155.4/168.1	12.7	196.9	76.2	38.1	95.3	50.8	26.2	75.4	101.6	127.0	101.6	50.8

## Mild Steel Order Information

LOAD RATING (PER MODULE)***	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
250-5,000 lb SE* (113.4-2,268.0 kg)	17817	\$325.00
5,000 LE** - 10,000 lb (2,268.0-4,535.9 kg)	17819	350.00
<b>3-Module Kit</b>		
**250 lb (113.4 kg)	18075	1,995.00
**500 lb (226.8 kg)	18076	1,995.00
1,000 lb (453.6 kg)	18077	1,995.00
2,000 lb (907.2 kg)	18078	1,995.00
2,500 lb (1,134.0 kg)	18079	1,995.00
3,000 lb (1,360.8 kg)	18080	1,995.00
4,000 lb (1,814.4 kg)	18081	1,995.00
5,000 lb SE* (2,268.0 kg)	18082	1,995.00
5,000 lb LE** (2,268.0 kg)	18083	2,295.00
10,000 lb (4,535.9 kg)	18084	2,295.00
<b>4-Module Kit</b>		
***250 lb (113.4 kg)	18085	2,595.00
***500 lb (226.8 kg)	18086	2,595.00
1,000 lb (453.6 kg)	18087	2,595.00
2,000 lb (907.2 kg)	18088	2,595.00
2,500 lb (1,134.0 kg)	18089	2,595.00
3,000 lb (1,360.8 kg)	18090	2,595.00
4,000 lb (1,814.4 kg)	18091	2,595.00
5,000 lb SE* (2,268.0 kg)	18092	2,595.00
5,000 lb LE** (2,268.0 kg)	18093	2,995.00
10,000 lb (4,535.9 kg)	18094	2,995.00

\*SE refers to small envelope  
\*\*LE refers to large envelope

## Stainless Steel Order Information

LOAD RATING (PER MODULE)***	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
250-4,000 lb (113.4-1,814.4 kg)	17818	\$525.00
5,000-10,000 lb (2,268.0-4,535.9 kg)	17820	550.00
<b>3-Module Kit</b>		
1,000 lb (453.6 kg)	18095	2,695.00
2,000 lb (907.2 kg)	18096	2,695.00
2,500 lb (1,134.0 kg)	18097	2,695.00
4,000 lb (1,814.4 kg)	18099	2,695.00
5,000 lb LE** (2,268.0 kg)	18100	2,925.00
10,000 lb (4,535.9 kg)	18101	2,925.00
<b>4-Module Kit</b>		
1,000 lb (453.6 kg)	18102	3,595.00
2,000 lb (907.2 kg)	18103	3,595.00
2,500 lb (1,134.0 kg)	18104	3,595.00
4,000 lb (1,814.4 kg)	18106	3,595.00
5,000 lb LE** (2,268.0 kg)	18107	3,910.00
10,000 lb (4,535.9 kg)	18108	3,910.00
<b>Dummy Cell</b>		
Dummy load cell 1-5 k SE*	22980	45.00

\*\*\* Load rating is per module

\*\*\*\* Use RL30000 load cells



## RL1900 Series

Stainless Steel Weigh Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL1900 Series weigh module kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1900 kit is ideally suited for tank, hopper and bin weighing operations with medium-range capacities. Each module combines multi-directional movement and self-checking capabilities. The welded seal stainless steel RLSSB load cell withstands washdown and corrosive environments that may present problems to other cells.

Module with welded-seal RLSSB single-ended beam load cell.



### Standard Features

- NTEP Certified load cells, 1:5000d, Class III single cell
- Capacities (per module): 1,000 lb-10,000 lb (453.6 kg-4535.9 kg)
- 304 stainless steel construction
- Center-pivoted, tension loading design
- Welded-seal stainless steel load cells, IP67
- Self-checking, multi-directional movement
- Easy load cell replacement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers

### Applications

- Medium-capacity tanks, bins and hoppers
- Washdown or corrosive applications

### Optional Features

- Also compatible with RTI SSB load cells

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1900 stainless steel compression mounts
- 3 or 4 RLSSB welded stainless steel single-ended beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



Except 250 lb

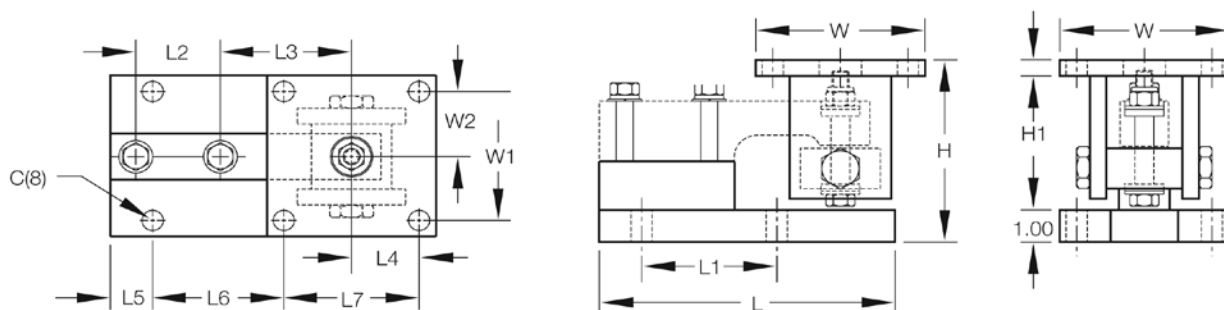


Rice Lake  
load cells only

NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# RL1900 Series

Stainless Steel Weigh Modules



## Dimensions

RATED CAPACITY	C	H MIN/MAX	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
<b>lb/inches</b>														
1,000-5,000	0.62	5.38/5.62	0.50	8.75	4.00	2.50	3.88	2.00	1.12	4.00	4.00	5.00	4.00	2.00
10,000	0.81	6.88/7.50	1.00	9.75	5.00	2.63	4.88	2.25	1.00	5.00	4.50	6.00	4.50	2.25
<b>kg/mm</b>														
453.6-2,268.0	15.8	136.7/142.9	12.7	222.3	101.6	63.5	98.6	50.8	28.4	101.6	101.6	127.0	101.6	50.8
4,535.9	20.6	174.8/190.5	25.4	247.7	127.0	66.8	124.0	57.2	25.4	127.0	114.3	152.4	114.3	57.2

## Order Information

*LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
1,000-5,000 lb (453.6-2,268.0 kg)	17841	\$575.00
10,000 lb (4,535.9 kg)	17843	625.00
<b>3-Module Kit</b>		
1,000 lb (453.6 kg)	18109	3,670.00
2,000 lb (907.2 kg)	18110	3,670.00
5,000 lb (2,268.0 kg)	18111	3,670.00
10,000 lb (4,535.9 kg)	18112	4,085.00
<b>4-Module Kit</b>		
1,000 lb (453.6 kg)	18113	4,895.00
2,000 lb (907.2 kg)	18114	4,895.00
5,000 lb (2,268.0 kg)	18115	4,895.00
10,000 lb (4,535.9 kg)	18116	5,415.00

\* Load Rating is per module

## RTM

Stainless Steel Tank Weigh Module, HBM



*Picture is a representation of actual product*

The HBM RTM weigh module assembly features a stainless steel, hermetically sealed, NTEP Certified THC load cell and a fully stainless mount including all associated hardware. Utilizing a rocker pin-loading concept, this design provides accurate weighing in the most adverse conditions. Standard features include both overload and overlift protection, making it ideal for most outdoor low-capacity tank and vessel weighing applications. Each HBM RTM module is provided standard with one load cell with 15 feet of cable, one mount, and all associated hardware.

### SPECIFICATIONS:

**Full Scale Output:**

2.0 ( $\pm$  0.2) mV/V

**Bridge Resistance:**

350 ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
15°F to 104°F (-97°C to 40°C)

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

15VDC

**Combined Error:**

0.03% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Hermetically sealed, IP68

**Cable Length:**

15 ft (4.6 m) (500 lb-4,000 lb) 30 ft (9.1 m) (5,000 lb-10,000 lb)

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

**Warranty:**

One-year limited warranty

### Standard Features

- Capacities: 500 lb-10,000 lb (226.8 kg-4536.0 kg)
- Stainless steel
- Overload and overlift protection
- Rocker pin loading
- Hermetically sealed
- Integral lateral stops
- 15 ft cable on load cell

### Applications

- Lower capacity tank and vessel weighing
- Process control and batching

### Complete Kit Includes

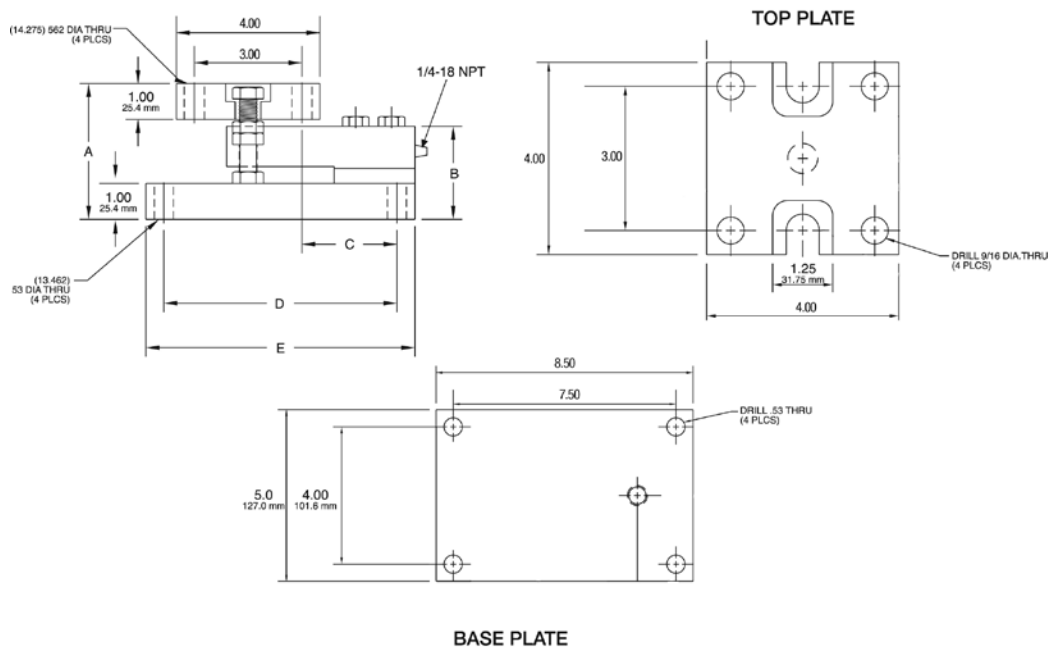
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 HBM RTM stainless steel mounting assemblies
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



# RTM

## Stainless Steel Tank Weigh Module, HBM



### Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
500-2,500	3.78	2.59	2.65	6.50	7.50
5,000	4.03	2.83	2.65	6.50	7.50
10,000	4.28	3.08	3.65	7.50	8.50
<b>kg/mm</b>					
226.8-1,134.0	96.0	65.7	67.3	165.1	190.5
2,268.0	102.3	71.8	67.3	165.1	190.5
4,536.0	108.7	78.2	92.71	190.5	215.9

### Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
500 lb (226.8 kg)	170480	\$1,050.00
1,250 lb (567.0 kg)	170481	1,050.00
2,500 lb (1,134.0 kg)	170482	1,050.00
5,000 lb (2,268.0 kg)	170483	1,295.00
10,000 lb (4,536.0 kg)	170484	1,295.00
<b>3-Module Kit</b>		
500 lb (226.8 kg)	171157	3,260.00
1,250 lb (567.0 kg)	171158	3,260.00
2,500 lb (1,134.0 kg)	171159	3,260.00
5,000 lb (2,268.0 kg)	171160	3,995.00
10,000 lb (4,536.0 kg)	171161	3,995.00

### Order Information

LOAD RATING	PART #	PRICE
<b>4-Module Kit</b>		
500 lb (226.8 kg)	171162	\$4,415.00
1,250 lb (567.0 kg)	171163	4,415.00
2,500 lb (1,134.0 kg)	171164	4,415.00
5,000 lb (2,268.0 kg)	171165	5,295.00
10,000 lb (4,536.0 kg)	171166	5,295.00

## RLTM

### Stainless Steel Tank Weigh Module



Picture is a representation of actual product

The RLTM weigh module assembly features a stainless steel, welded seal RL30745 NTEP Certified load cell and a fully stainless mount including all associated hardware. Using a rocker pin-loading concept, this design provides accurate weighing in most conditions. Standard features include both overload and overlift protection, making it ideal for most outdoor low-capacity tank and vessel weighing applications. Each Rice Lake RLTM module is provided standard with one load cell with 30 feet of cable and one mount.

#### Load Cell Specifications:

- full scale Output:**  
2.0 ( $\pm$  0.2) mV/V
- Bridge Resistance:**  
350 ohms
- Material/Finish:**  
Stainless steel
- Temperature:**  
Compensated range  
15°F to 104°F (-97°C to 40°C)
- Safe Overload:**  
150% full scale
- Safe Sideload:**  
100% full scale
- Rated Excitation:**  
15VDC
- Combined Error:**  
0.03% full scale
- Insulation Resistance:**  
5,000 megohms
- Seal Type:**  
Welded seal, IP67
- Cable Length:**  
30 ft (9.1 m) (500 lb-10,000 lb)
- Cable Color Code:**
  - Green ..... + Excitation
  - Black ..... - Excitation
  - White ..... + Signal
  - Red ..... - Signal
- Warranty:**  
Two-year limited warranty

#### Standard Features

- Capacities: 500 lb-10,000 lb (226.8 kg-4536.0 kg)
- Stainless steel
- Overload and overlift protection
- Rocker pin loading
- Welded seal load cells
- Integral lateral stops
- 30 ft cable on load cells

#### Applications

- Lower capacity tank and vessel weighing
- Process control and batching

#### Complete Kit Includes

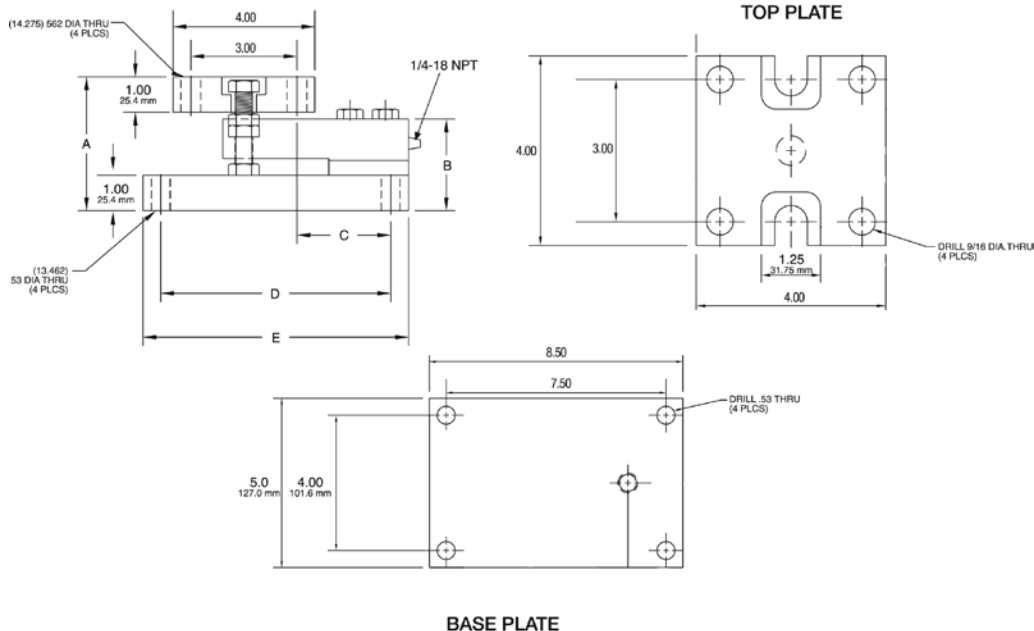
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 Rice Lake RLTM stainless steel mounting assemblies
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

#### Load Cell Certifications



# RLTM

## Stainless Steel Tank Weigh Module



### Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
500-2,500	3.77	2.59	2.62	6.50	7.50
5,000	3.99	2.83	2.62	6.50	7.50
10,000	4.27	3.08	3.88	7.50	8.50
<b>kg/mm</b>					
226.8-1,134.0	95.7	65.7	66.5	165.1	190.5
2,268.0	101.3	71.8	66.5	165.1	190.5
4,536.0	108.4	78.2	98.5	190.5	215.9

### Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
500 lb (226.8 kg)	159288	\$895.00
1,250 lb (567.0 kg)	159289	895.00
2,500 lb (1,134.0 kg)	159290	895.00
5,000 lb (2,268.0 kg)	159291	1,095.00
10,000 lb (4,536.0 kg)	159292	1,095.00
<b>3-Module Kit</b>		
500 lb (226.8 kg)	162942	2,795.00
1,250 lb (567.0 kg)	162944	2,795.00
2,500 lb (1,134.0 kg)	162945	2,795.00
5,000 lb (2,268.0 kg)	162946	3,495.00
10,000 lb (4,536.0 kg)	162947	3,495.00

### Order Information

LOAD RATING	PART #	PRICE
<b>4-Module Kit</b>		
500 lb (226.8 kg)	162948	\$3,695.00
1250 lb (567.0 kg)	162949	3,695.00
2500 lb (1,134.0 kg)	162950	3,695.00
5000 lb (2,268.0 kg)	162951	4,495.00
10,000 lb (4,536.0 kg)	162953	4,495.00



## RL9000TWM Series

Tank, Hopper & Vessel Weighing Assembly



*Picture is a representation of actual product*

The RL9000TWM Series stainless steel weigh module is ideal for use in tank, hopper, vessel and many other applications. The low-profile design offers an economical solution in a competitive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing hardware. The stainless steel construction and welded seal offer additional protection in washdown areas.

### Load Cell Specifications

**Full Scale Output:**

3 ( $\pm 0.1\%$ ) mV/V

**Bridge Resistance:**

350 ohms

**Material/Finish:**

Stainless steel\*

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10VDC

**Operating Temperature:**

0° F to 150° F

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Welded seal IP 67

**Cable Length:**

25 ft

**Cable Color Code:**

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal

**Warranty:**

Two-year limited warranty

### Standard Features

- Capacities: 1,000 lb-450,000 lb
- Very low profile design
- 3 mV/V output
- Self-centering
- Self-checking assembly
- Offers 100% sideload, 100% uplift and 150% static safe load and 300% ultimate static overload protection
- Stainless steel construction
- Welded seal
- Weighs accurately with as much as a 3° non-parallel load
- Includes 25 ft load cell cable

### Applications

- Tank, hopper or vessel weighing

### Optional Features

- Stainless steel top plates

*\*150,000 lb-450,000 lb have mild steel painted base plate*

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 stainless steel mounting assemblies
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



*Assembly with integral RL9000TWM compression disk load cell.*



# RL9000TWM Series

Tank, Hopper & Vessel Weighing Assembly

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module</b>		
1,000 lb	84353	\$625.00
2,500 lb	84354	625.00
5,000 lb	84355	625.00
10,000 lb	84356	625.00
15,000 lb	84357	625.00
20,000 lb	84358	1,225.00
25,000 lb	84359	1,225.00
35,000 lb	84360	1,225.00
50,000 lb	84361	1,225.00
60,000 lb	84362	2,125.00
75,000 lb	84363	2,125.00
100,000 lb	84364	2,125.00
150,000 lb	84365	4,425.00
200,000 lb	84366	4,425.00
250,000 lb	84368	6,525.00
300,000 lb	84369	6,525.00
400,000 lb	84370	6,525.00
450,000 lb	84371	6,525.00
<b>3-Module Kit</b>		
1,000 lb	98974	2,085.00
2,500 lb	98980	2,085.00
5,000 lb	98981	2,085.00
10,000 lb	98982	2,085.00
15,000 lb	98983	2,085.00
20,000 lb	98984	3,885.00
25,000 lb	98985	3,885.00
35,000 lb	98986	3,885.00
50,000 lb	98987	3,885.00
60,000 lb	98988	6,585.00
75,000 lb	98989	6,585.00
100,000 lb	98990	6,585.00
150,000 lb	98991	13,485.00
200,000 lb	98992	13,485.00
250,000 lb	98993	19,785.00
300,000 lb	98994	19,785.00
400,000 lb	98995	19,785.00
450,000 lb	98996	19,785.00
<b>4-Module Kit</b>		
1,000 lb	98997	2,615.00
2,500 lb	98998	2,615.00
5,000 lb	98999	2,615.00
10,000 lb	99000	2,615.00
15,000 lb	99001	2,615.00
20,000 lb	99002	5,015.00
25,000 lb	99003	5,015.00
35,000 lb	99004	5,015.00
50,000 lb	99005	5,015.00
60,000 lb	99006	8,615.00
75,000 lb	99007	8,615.00
100,000 lb	99008	8,615.00

\*150,000 lb-450,000 lb have mild steel painted base plates

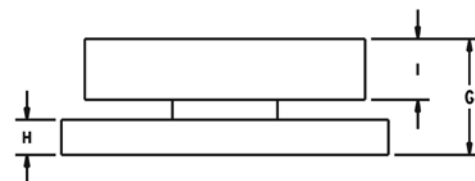
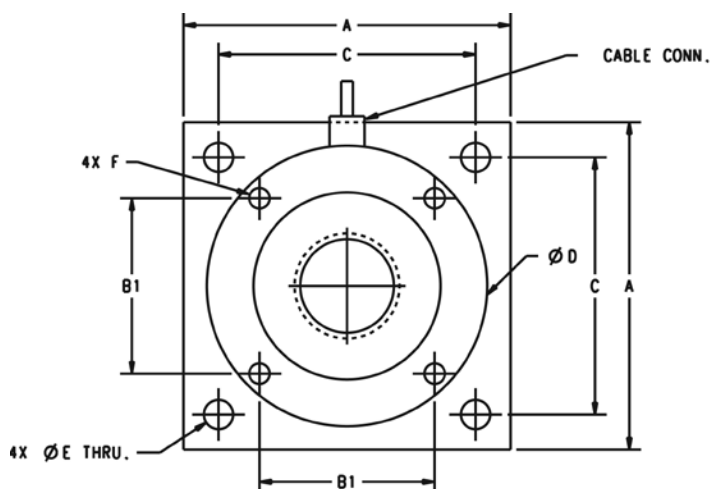
LOAD RATING (PER MODULE)	PART #	PRICE
150,000 lb	99009	\$17,815.00
200,000 lb	99010	17,815.00
250,000 lb	99011	26,215.00
300,000 lb	99012	26,215.00
400,000 lb	99013	26,215.00
450,000 lb	99014	26,215.00
<b>Top Plates (Stainless Steel) with bolts</b>		
1,000 lb-15,000 lb	91207	150.00
20,000 lb-50,000 lb	91210	325.00
60,000 lb-100,000 lb	91211	695.00
150,000 lb-200,000 lb	91213	895.00
250,000 lb-450,000 lb	91215	1,695.00
<b>Top Plates (Mild Steel) with bolts</b>		
1,000 lb-15,000 lb	124758	75.00
20,000 lb-50,000 lb	125141	145.00
60,000 lb-100,000 lb	124759	195.00
150,000 lb-200,000 lb	124760	325.00
250,000 lb-450,000 lb	124761	425.00
<b>Center Bolt Removal Tool**</b>		
20,000 lb-50,000 lb	151637	32.00
60,000 lb-100,000 lb	151638	55.00
150,000 lb-200,000 lb	151639	99.00
250,000 lb-450,000 lb	161935	125.00
<b>Dummy Weigh Modules</b>		
1,000 lb-10,000 lb	158749	95.00
15,000 lb	158750	125.00
20,000 lb-50,000 lb	158752	135.00
60,000 lb-100,000 lb	158753	150.00
150,000 lb-200,000 lb	158754	395.00
250,000 lb-450,000 lb	158755	425.00

\*150,000 lb-450,000 lb have mild steel painted base plates

\*\*1,000 lb-15,000 lb use 5/16 allen wrench

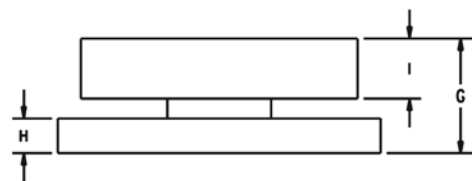
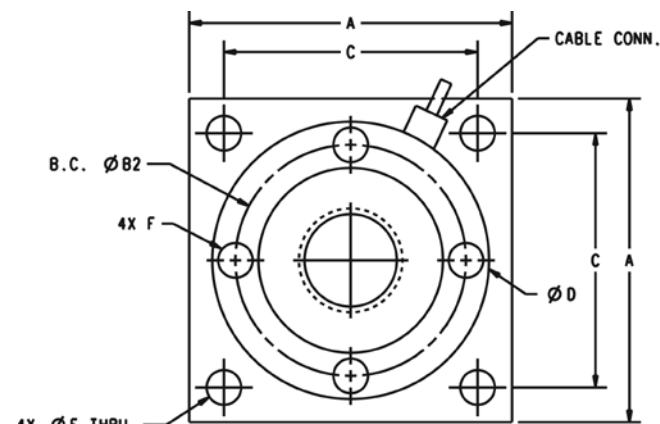
## RL9000TWM Series

Tank, Hopper & Vessel Weighing Assembly



### Dimensions (inches)

RATED CAPACITY	A	B1	C	D	E	F	G	H	I	CONDUIT ADAPTER
1,000 lb-10,000 lb	4.00	2.00	3.25	3.50	0.40	3/8-16	1.35	0.375	0.75	N/A
15,000 lb	4.00	2.00	3.25	3.50	0.40	3/8-16	1.60	0.625	0.75	N/A
20,000 lb-50,000 lb	7.00	3.75	5.50	6.00	0.63	1/2-13	2.48	0.75	1.30	1/2-14 NPT
60,000 lb-100,000 lb	8.00	4.25	6.50	7.00	0.81	3/4-16	2.50	1.00	1.30	1/2-14 NPT

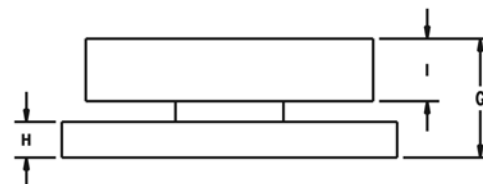
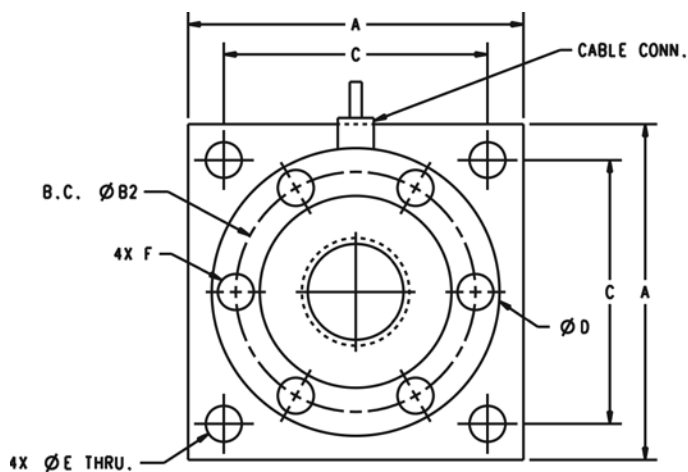


### Dimensions (inches)

RATED CAPACITY	A	B2	C	D	E	F	G	H	I	CONDUIT ADAPTER
150,000 lb-200,000 lb	10.0	7.825	8.00	9.00	1.10	1-14	4.75	2.00	1.70	1/2-14 NPT

## RL9000TWM Series

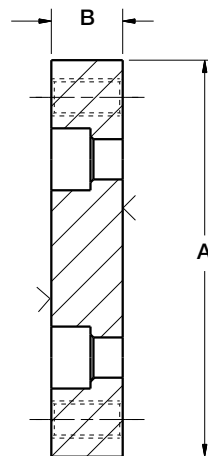
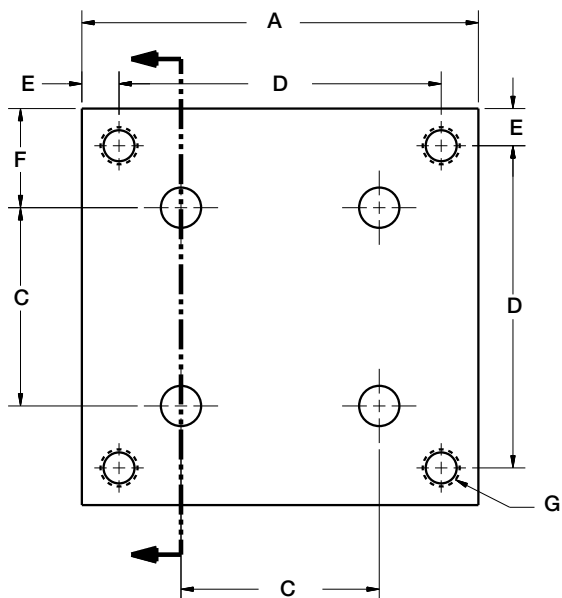
Tank, Hopper & Vessel Weighing Assembly



### Dimensions (inches)

RATED CAPACITY	A	B2	C	D	E	F	G	H	I	CONDUIT ADAPTER
250 k-450 k	11.00	7.75	9.00	9.00	1.30	7/8-14	6.42	3.00	2.25	1/2-14 NPT

### Optional Top Plates



### Dimensions

RATED CAPACITY	A	B	C	D	E	F	G
<b>lb/inches</b>							
1,000 lb - 15,000 lb	4.00	0.72	2.00	3.25	0.38	1.00	3/8-16 NC
20,000 lb - 50,000 lb	7.00	0.97	3.75	5.50	0.75	1.62	5/8-11 NC
60,000 lb - 100,000 lb	8.00	1.46	4.25	6.50	0.75	1.88	3/4-16 NF
150,000 lb - 200,000 lb	10.00	1.94	5.53	8.00	1.00	2.25	1-14 UNS
250,000 lb - 450,000 lb	11.00	2.94	7.75 B.C.	9.00	1.00	1.00	1-1/4-12 NF

# RL9000TWM-HT

Tank, Hopper & Vessel Weighing Module

## Standard Features

- Capacities: 1,000 lb-50,000 lb
- Very low profile design
- 3 mV/V output
- Self-centering
- Self-checking assembly
- Offers 100% sideload, 100% uplift and 150% safe load and 300% ultimate overload protection
- Stainless steel construction
- Welded seal
- Weighs accurately with as much as a 3° on-parallel load
- Complete with 25 ft FEP cable

## Optional Features

- Stainless steel top plates
- Higher capacities available upon request

## Applications

- Tank, hopper, or vessel weighing
- High temperature applications

## Load Cell Specifications

### Full Scale Output:

3 (± 0.1%) mV/V

### Bridge Resistance:

700 ohms

### Material/Finish:

Stainless steel\*

### Safe Overload:

150% full scale

### Rated Excitation:

5-10VDC

### Operating Temperature:

0° F to 400° F

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded seal IP67

### Cable Length:

25 ft FEP jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal

### Warranty:

Two-year limited warranty



*Picture is a representation of actual product*

The RL9000TWM-HT is the latest addition to the popular RL9000TWM Series weigh module. The RL9000TWM-HT is a high temperature version that is designed to operate in temperatures up to 400°F.

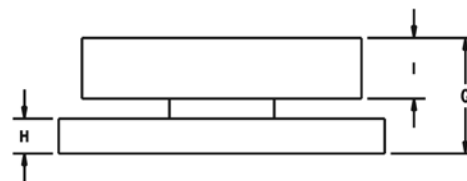
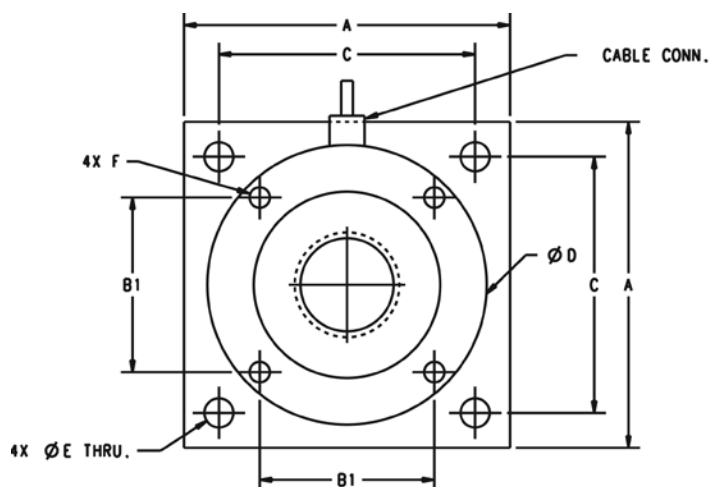
The integral 25 ft of FEP cable complements the RL9000TWM-HT weigh module.

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module</b>		
1,000 lb	117050	\$1,025.00
2,500 lb	117051	1,025.00
5,000 lb	117052	1,025.00
10,000 lb	117140	1,025.00
15,000 lb	117053	1,025.00
20,000 lb	117054	1,725.00
25,000 lb	117055	1,725.00
35,000 lb	117056	1,725.00
50,000 lb	117057	1,725.00
<b>Top Plates (Stainless Steel) with bolts</b>		
1,000 lb-15,000 lb	91207	150.00
20,000 lb-50,000 lb	91210	325.00
<b>Top Plates (Mild Steel) with bolts</b>		
1,000 lb-15,000 lb	124758	75.00
20,000 lb-50,000 lb	125141	145.00

# RL9000TWM-HT

Tank, Hopper & Vessel Weighing Module



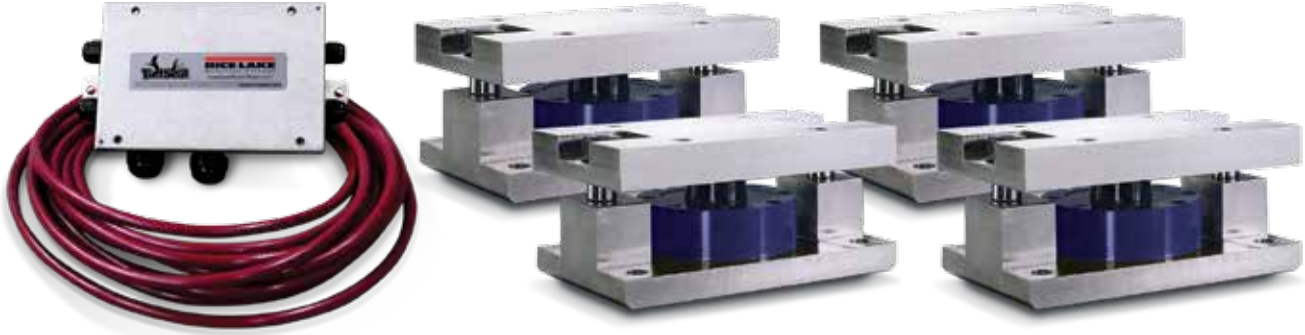
## Dimensions

RATED CAPACITY	A	B1	C	D	E	F	G	H	I	CONDUIT ADAPTER
<b>lb/inches</b>										
1,000 lb - 10,000 lb	4.00	2.00	3.25	3.50	0.40	3/8-16NC	1.35	0.375	0.75	—
15,000 lb	4.00	2.00	3.25	3.50	0.40	3/8-16NC	1.60	0.625	0.75	—
20,000 lb - 50,000 lb	7.00	3.75	5.50	6.00	0.63	1/2-13NC	2.48	0.750	1.30	1/2-14NPT



## RL2200 Series

Tank, Hopper & Vessel Weighing Assembly



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL2200 Series mounts are ideal for use in tank, hopper, vessel and many other applications. The low-profile design allows for economical solutions in a competitive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing hardware. The RL2200 mount has the added feature of self centering, allowing for side loads without sacrificing performance.

### Load Cell Specifications

**Full Scale Output:**

4.0 mV/V, 2.0 mV/V (2,500 lb)

**Bridge Resistance:**

350 ohms nominal

**Material/Finish:**

High-alloy steel, painted

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (20 V maximum)

**Nonlinearity:**

0.05% full scale

**Hysteresis:**

0.03% full scale

**Temperature:**

Compensated range:  
15° F to 115° F (-9° C to 46° C)

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Environmentally sealed

**Cable Length\*:**

30 ft (9.1 m)

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Green .....- Signal

**Warranty:**

Two-year limited warranty

\*Compression load application

### Standard Features

- Capacities: 2,500 lb-50,000 lb (1,134 kg-22,680 kg)
- Low-profile design
- High 4 mV/V output (2 mV/V, 2,500 lb)
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

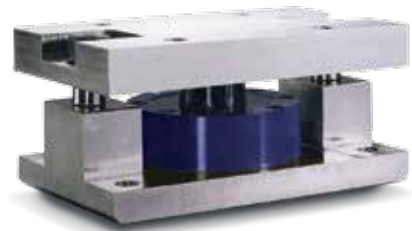
### Applications

- Tank, hopper or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

### Complete Kit Includes

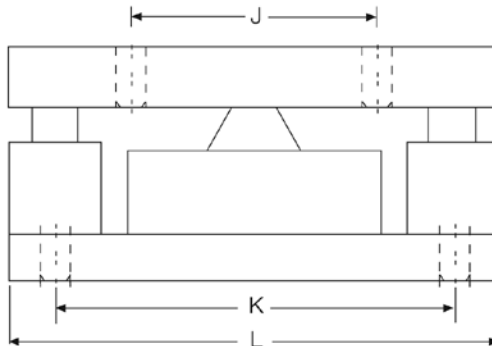
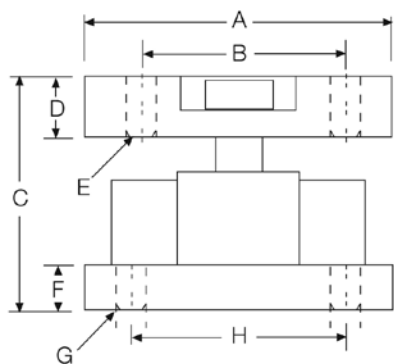
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL2200 high-alloy, zinc-plated steel mounting assemblies
- 3 or 4 RL2200 compression disk load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

Assembly with integral RL2200  
compression disk load cell.



# RL2200 Series

Tank, Hopper & Vessel Weighing Assembly



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/inches</b>											
2,500-10,000	5.00	3.50	4.00	1.00	0.52	1.0	0.52	3.50	4.00	6.50	8.00
25,000-50,000	6.00	4.50	5.00	1.25	0.78	1.0	0.78	4.50	5.00	7.75	10.0
<b>kg/mm</b>											
1,134.0-4,536.0	127.0	88.9	101.6	25.4	13.2	19.0	13.2	88.9	101.6	165.1	203.2
11,340.0-22,679.6	152.4	114.3	127.0	31.7	19.8	25.4	19.8	114.3	127.0	196.8	254.0

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module</b>		
2,500 lb (1,134 kg)	76656	\$1,575.00
5,000 lb (2,268 kg)	45849	1,575.00
10,000 lb (4,536 kg)	45848	1,575.00
25,000 lb (11,340 kg)	45847	2,075.00
50,000 lb (22,680 kg)	45846	2,075.00
<b>3-Module Kit</b>		
2,500 lb (1,134 kg)	76897	4,700.00
5,000 lb (2,268 kg)	42811	4,700.00
10,000 lb (4,536 kg)	42812	4,700.00
25,000 lb (11,340 kg)	42813	6,100.00
50,000 lb (22,680 kg)	42814	6,100.00
<b>4-Module Kit</b>		
2,500 lb (1,134 kg)	76898	6,215.00
5,000 lb (2,268 kg)	42815	6,215.00
10,000 lb (4,536 kg)	42816	6,215.00
25,000 lb (11,340 kg)	42817	7,215.00
50,000 lb (22,680 kg)	42818	7,215.00

## Replacement Load Cell Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
2,500 lb (1,134 kg)	76654	\$1,225.00
5,000 lb (2,268 kg)	45708	1,225.00
10,000 lb (4,536 kg)	45709	1,225.00
25,000 lb (11,340 kg)	45710	1,525.00
50,000 lb (22,680 kg)	45711	1,525.00

## RL2200 SS Series

Stainless Steel, Tank, Hopper & Vessel Weighing Assembly



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL2200 SS Series mounts are ideal for use in tank, hopper, vessel and many other applications. The low-profile design allows for economical solutions in a competitive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing hardware. The RL2200 SS mount has the added feature of self centering, allowing for side loads without sacrificing performance.

Assembly with integral RL2200 SS compression disk load cell.



### Applications

- Tank, hopper or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL2200 stainless steel mounting assemblies
- 3 or 4 RL2200 SS stainless steel, hermetically sealed, compression disk load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Specifications

#### Full Scale Output:

4.0 mV/V, 2.0 mV/V (2,500 lb)

#### Bridge Resistance:

350 ohms nominal

#### Material/Finish:

Stainless steel

#### Safe Overload:

150% full scale

#### Rated Excitation:

5-10 VDC (20 V maximum)

#### Nonlinearity:

0.05% full scale

#### Hysteresis:

0.03% full scale

#### Temperature:

Compensated range:  
15° F to 115° F (9° C to 46° C)

#### Insulation Resistance:

5,000 megohms

#### Seal Type:

Hermetically sealed, IP66/68

#### Cable Length\*:

30 ft (9.1 m)

#### Cable Color Code:

Red ..... + Excitation  
Black..... - Excitation  
White ..... + Signal  
Green ..... - Signal

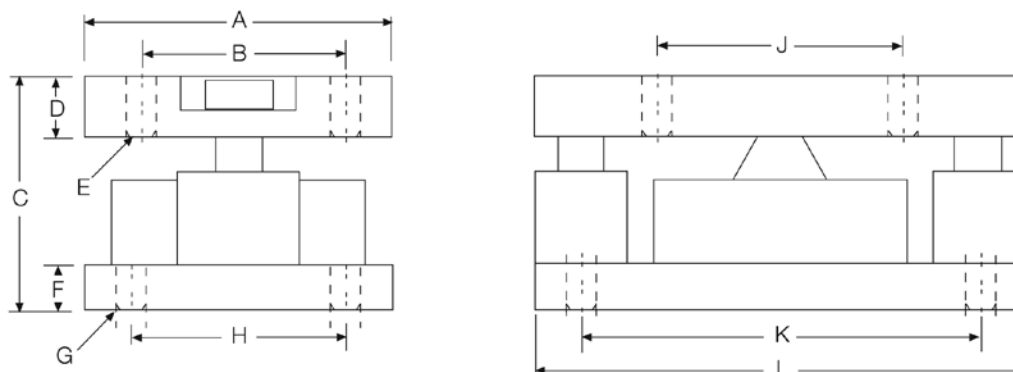
#### Warranty:

Two-year limited warranty

\*Compression load application

# RL2200 SS Series

Stainless Steel, Tank, Hopper & Vessel Weighing Assembly



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/inches</b>											
2,500-10,000	5.00	3.50	4.00	1.00	0.52	1.00	0.52	3.50	4.00	6.50	8.00
25,000-50,000	6.00	4.50	5.00	1.25	0.78	1.00	0.78	4.50	5.00	7.75	10.00
<b>kg/mm</b>											
1,134.0-4,536.0	127.0	88.9	101.6	25.4	13.2	19.0	13.2	88.9	101.6	165.1	203.2
11,340.0-22,679.6	152.4	114.3	127.0	31.7	19.8	25.4	19.8	114.3	127.0	196.8	254.0

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module</b>		
2,500 lb (1,134 kg)	76657	\$2,295.00
5,000 lb (2,268 kg)	45845	2,295.00
10,000 lb (4,536 kg)	45844	2,295.00
25,000 lb (11,340 kg)	45843	3,895.00
50,000 lb (22,680 kg)	45842	3,895.00
<b>3-Module Kit</b>		
2,500 lb (1,134 kg)	76899	6,495.00
5,000 lb (2,268 kg)	46478	6,495.00
10,000 lb (4,536 kg)	46479	6,495.00
25,000 lb (11,340 kg)	46480	11,395.00
50,000 lb (22,680 kg)	46481	11,395.00
<b>4-Module Kit</b>		
2,500 lb (1,134 kg)	76900	8,595.00
5,000 lb (2,268 kg)	46482	8,595.00
10,000 lb (4,536 kg)	46483	8,595.00
25,000 lb (11,340 kg)	46484	14,850.00
50,000 lb (22,680 kg)	46485	14,850.00

## Replacement Load Cell Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
2,500 lb (1,134 kg)	76655	\$1,450.00
5,000 lb (2,268 kg)	45712	1,450.00
10,000 lb (4,536 kg)	45713	1,450.00
25,000 lb (11,340 kg)	45714	2,395.00
50,000 lb (22,680 kg)	45715	2,395.00

## RLC

Stainless Steel Weigh Modules, VPG Revere



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RLC self-aligning silo mount, together with the RLC load cell family, are an ideal solution for process control, batch weighing, silo/hopper and belt scale applications. The RLC mount incorporates a removable rocker pin design, that uses hardened stainless steel components on all load-bearing surfaces. The fully stainless steel construction guarantees long-term reliability, even in the harshest environments.

Module with hermetically sealed RLC compression canister load cell.



### Standard Features

- Capacities (per module): 0.5t-5t (1102.3lb-11,023.1lbb)
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Rocker pin design allows movement in all directions
- Hermetically sealed, IP66/68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

### Applications

- Medium-capacity tanks, bins and hoppers
- Washdown or corrosive applications
- Process control and batch weighing

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RLC stainless steel compression mounts
- 3 or 4 RLC stainless steel hermetically sealed compression disk load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

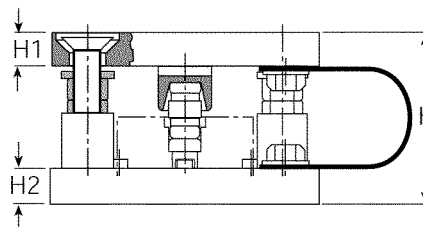
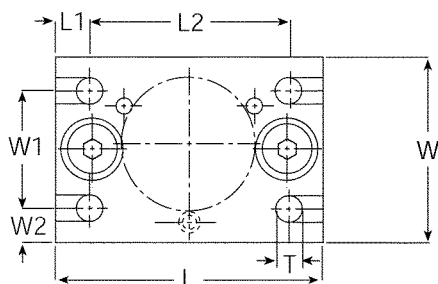
### Load Cell Certifications



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# RLC

Stainless Steel Weigh Modules, VPG Revere



## Dimensions

RATED CAPACITY	H	H1	H2	L	L1	L2	T	W	W1	W2
<b>ton/mm</b>										
0.5-1	80.00	20.00	15.00	150.00	15.00	120.00	14 (top plate)	100.00	70.00	15.00
2-5	105.00	20.00	20.00	160.00	20.00	120.00	13.8 (bottom plate)	110.00	70.00	20.00
<b>lb/inches</b>										
1,102.3-2,204.6	3.15	0.79	0.59	5.91	0.59	4.72	0.55 (top plate)	3.94	2.76	0.59
4,409.2-11,023.1	4.13	0.79	0.79	6.30	0.79	4.72	0.54 (bottom plate)	4.33	2.76	0.79

## Order Information

LOAD RATING (PER MODULE)*	PART #	PRICE
<b>Single Module (Includes Load Cell)</b>		
0.5t (1,102.3 lb)	36401	\$1,075.00
1t (2,204.6 lb)	36402	1,075.00
2t (4,409.2 lb)	36403	1,245.00
3.5t (7,717.5 lb)	36404	1,245.00
5t (11,023.1 lb)	36405	1,245.00
<b>3-Module Kit</b>		
0.5t (1,102.3 lb)	36406	3,475.00
1t (2,204.6 lb)	36407	3,475.00
2t (4,409.2 lb)	36408	3,640.00
3.5t (7,717.5 lb)	36409	3,640.00
5t (11,023.1 lb)	36410	3,640.00
<b>4-Module Kit</b>		
0.5t (1,102.3 lb)	36411	4,550.00
1t (2,204.6 lb)	36412	4,550.00
2t (4,409.2 lb)	36413	4,855.00
3.5t (7,717.5 lb)	36414	4,855.00
5t (11,023.1 lb)	36415	4,855.00

\* Load rating is per module

## Replacement Rocker Pin Set\*

LOAD RATING (PER MODULE)	PART #	PRICE
250 kg-1 t	170875	\$108.00
2t-5t	170876	108.00
10t	170877	108.00

\*Kit includes upper cup, rocker pin and grease



## 220 Universal Mount

Stainless Steel Weigh Modules, VPG Tedeo-Huntleigh



Available in configurations with three or four mounting assemblies.  
Picture is a representation of actual product

The 220 universal mount is designed to be used with the VPG Tedeo-Huntleigh® Model 220 load cell. The mount incorporates built-in jacking bolts to prevent damage to the load cell during installation. Its stainless steel construction is designed to be used in the harshest of environments.

### Load Cell Specifications:

**full scale Output:**  
2.0mV/V

**Bridge Resistance:**  
1,000 ohms, nominal

**Material/Finish:**  
Stainless steel

**Operating Temperature Range:**  
14°F to 104°F (-10°C to 40°C)

**Safe Overload:**  
150% at center loading point, full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.020% full scale

**Insulation Resistance:**  
2,000 megohms

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
5 m (5,000 kg), 10 m (10,000 kg-20,000 kg) 20 m (30,000 kg)

**Cable Color Code:**  
Blue .....+ Excitation  
Black.....- Excitation  
Green .....+ Sense  
Grey .....- Sense  
White .....+ Signal  
Red .....- Signal

**Warranty:**  
One-year limited warranty

### Standard Features

- Capacities (per module): 5,000 kg-30,000 kg (11,023.1 lb-66,139.0 lb)
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Hermetically sealed, IP68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

### Applications

- Medium- to high-capacity tanks, bins and hoppers
- Washdown or corrosive applications
- Process control and batch weighing

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 220 stainless steel compression mounts
- 3 or 4 220 stainless steel hermetically sealed compression disk load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Load Cell Certifications



Available Upon  
Request

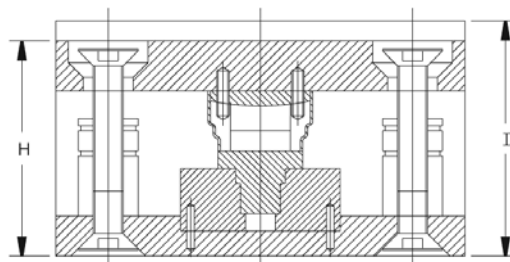
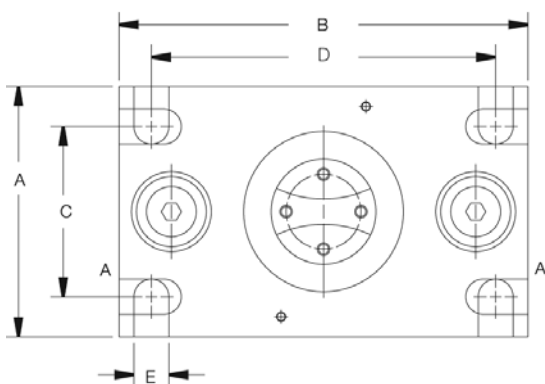
NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

Module with hermetically sealed 220  
compression load cell.



# 220 Universal Mount

Stainless Steel Weigh Modules, VPG Tedea-Huntleigh



## Dimensions

RATED CAPACITY	A	B	C	D	E	H	I
<b>kg/mm</b>							
5,000-10,000	127.00	203.00	90.00	170.00	18.00	107.00	118.00
20,000/30,000	152.00	245.00	115.00	208.00	24.00	148.00	156.00
<b>lb/inches</b>							
11,023.1	5.00	8.00	3.54	6.70	0.71	4.21	4.65
44,092.7/66,139.0	5.98	9.65	4.53	8.19	0.94	5.83	6.14

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit (Includes Load Cell)</b>		
5,000 kg (11,023.1 lb)	66208	\$5,890.00
10,000 kg (22,046.3 lb)	66209	5,890.00
20,000 kg (44,092.7 lb)	66210	6,655.00
30,000 kg (66,139.0 lb)	66211	6,655.00
<b>4-Module Kit (Includes Load Cell)</b>		
5,000 kg (11,023.1 lb)	66212	7,780.00
10,000 kg (22,046.3 lb)	66213	7,780.00
20,000 kg (44,092.7 lb)	66214	8,950.00
30,000 kg (66,139.0 lb)	66215	8,950.00

## Replacement Mount Parts

LOAD RATING (PER MODULE)	PART #	PRICE
Saddle 5t-10t	170879	\$108.00
Rolling cylinder 5t-10t	170882	90.00
Load adaptor 5t	170880	95.00
Load adaptor 10t	170881	135.00
Rubber boot 5t-10t	171211	25.00
Saddle 20t-30t	170884	108.00
Rolling cylinder 20t-30t	170885	45.00
Load adaptor 20t-30t	170883	90.00
Rubber boot 20t-30t	171212	22.00

# EZ Mount 1

Mild Steel Weigh Modules, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The EZ Mount 1 Series weigh modules utilize the double-ended beam design with an articulating top plate to provide superior accuracy in any loading condition. The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations. NTEP Certified and FM approved RL70000 Series load cells give you accuracy and dependability in many applications, including intrinsically safe and explosion proof areas.

Module with RL70000 double-ended shear beam load cell.



## Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 EZ Mount 1 mild steel compression mounts
- 3 or 4 RL70000 double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Medium- to heavy-capacity tank and hopper weighing applications

## Standard Features

- Capacities (per module): 5,000 lb-250,000 lb (2,268 kg-113,398.1 kg)
- NTEP Certified load cells
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- Painted mild steel construction

## Optional Features

- Kits available with VPG® Revere 5103 load cell, capacities in 5,000 lb-150,000 lb (2,268.0 kg-68,039.0 kg)
- Refer to page 87 for shims

## Load Cell Certifications

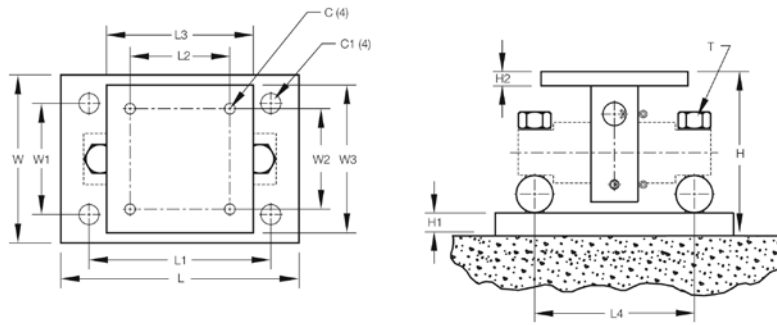


Rice Lake  
load cells only

NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# EZ Mount 1

Mild Steel Weigh Modules, Rice Lake Weighing Systems



## Dimensions

RATED CAPACITY	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
<b>lb/inches</b>															
5,000-20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000-60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00
150,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00
200,000-250,000	1.06	1.88	16.75	2.00	2.00	26.00	20.00	9.00	12.00	13.00	1 1/2-12 UNS	12.00	6.00	9.00	12.00
<b>kg/mm</b>															
2,268.0-9,071.9	14.2	26.9	134.9	19.1	12.7	279.4	203.2	76.2	152.4	174.5	5/8-18 UNF	190.5	101.6	76.2	152.4
13,607.8-27,215.5	17.3	30.2	214.1	25.4	19.1	381.0	292.1	130.0	203.2	215.9	1-14 UNS	254.0	152.4	130.1	203.2
45,359.2	20.6	35.1	263.4	31.8	31.8	457.2	355.6	190.5	254.0	241.3	1-14 UNS	304.8	228.6	190.5	254.0
68,039.0	20.6	35.1	263.4	31.8	31.8	457.2	355.6	190.5	254.0	241.3	1-14 UNS	304.8	228.6	190.5	254.0
90,718.5-113,398.1	26.9	47.8	425.5	50.8	50.8	660.4	508.0	228.6	304.8	330.2	1 1/2-12 UNS	304.8	152.4	228.6	304.8

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
5,000-20,000 lb (2,268.0-9,071.9 kg)	17823	\$295.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	17824	795.00
100,000 lb (45,359.2 kg)	17850	1,095.00
150,000 lb (68,039.0 kg)	29012	1,095.00
200,000-250,000 lb (90,719.0-113,398.4 kg)	26068	2,495.00
<b>3-Module Kit</b>		
5,000 lb (2,268.0 kg)	18163	2,875.00
10,000 lb (4,535.9 kg)	18164	2,875.00
20,000 lb (9,071.9 kg)	18165	2,875.00
30,000 lb (13,607.8 kg)	32164	4,545.00
40,000 lb (18,143.7 kg)	32167	4,545.00
50,000 lb (22,679.6 kg)	18166	4,545.00
60,000 lb (27,215.5 kg)	18167	4,545.00
100,000 lb*	18168	7,395.00
150,000 lb (68,040.0 kg)	43290	7,395.00
<b>4-Module Kit</b>		
5,000 lb (2,268.0 kg)	18169	3,735.00
10,000 lb (4,535.9 kg)	18170	3,735.00
20,000 lb (9,071.9 kg)	18171	3,735.00
30,000 lb (13,607.8 kg)	32165	5,765.00
40,000 lb (18,143.7 kg)	32166	5,765.00
50,000 lb (22,679.6 kg)	18172	5,765.00
60,000 lb (27,215.5 kg)	18173	5,765.00
100,000 lb*	18174	9,665.00
150,000 lb (68,040.0 kg)	43291	9,665.00

\*Load cell bolts protrude from bottom of base plate  
Shims located on page XXXX

## VPG Revere® 5103 Mild Steel Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
5,000 lb (2,268.0 kg)	18175	\$2,975.00
10,000 lb (4,535.9 kg)	18176	2,975.00
20,000 lb (9,071.9 kg)	18177	2,975.00
30,000 lb (13,607.8 kg)	32169	4,645.00
40,000 lb (18,143.7 kg)	32171	4,645.00
50,000 lb (22,679.6 kg)	18178	4,795.00
60,000 lb (27,215.5 kg)	18179	4,795.00
100,000 lb*	18180	7,495.00
150,000 lb (68,039.0 kg)	18181	7,495.00
<b>4-Module Kit</b>		
5,000 lb (2,268.0 kg)	18182	3,835.00
10,000 lb (4,535.9 kg)	18183	3,835.00
20,000 lb (9,071.9 kg)	18184	3,835.00
30,000 lb (13,607.8 kg)	32170	5,865.00
40,000 lb (18,143.7 kg)	32172	5,865.00
50,000 lb (22,679.6 kg)	18185	6,035.00
60,000 lb (27,215.5 kg)	18186	6,035.00
100,000 lb*	18187	9,765.00
150,000 lb (68,039.0 kg)	18188	9,765.00
<b>Dummy Load Cells</b>		
5,000-20,000 lb	33749	75.00
30,000-60,000 lb	74016	95.00
100,000 lb	94175	150.00
150,000 lb	158715	225.00
<b>Grounding Kit</b>		
126419	5,000-60,000, includes ground strap and mounting hardware	15.45

# EZ Mount 1

Stainless Steel Weigh Modules, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The EZ Mount 1 Series weigh modules utilize the double-ended beam design with an articulating top plate to provide superior accuracy in any loading condition. The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations. FM approved RL70000 SS Series load cells give you accuracy and dependability in many applications, including intrinsically safe and explosion proof areas.

Module with RL70000 SS double-ended shear beam load cell.



## Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 EZ Mount 1 stainless steel compression mounts
- 3 or 4 RL70000 SS stainless steel double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Medium to heavy-capacity tank and hopper weighing applications

## Standard Features

- Capacities (per module): 5,000 lb-150,000 lb (2268 lb-60,039.0 kg)
- Unique sliding pin design compensates for thermal expansion/contraction
- NTEP Certified load cells (10 K - 100 K)
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction

## Optional Features

- Kits available with Revere Transducers 9103 load cell, capacities in 5,000 lb-150,000 lb (2268.0 kg-68,039.0 kg)
- Refer to page 87 for shims

## Load Cell Certifications

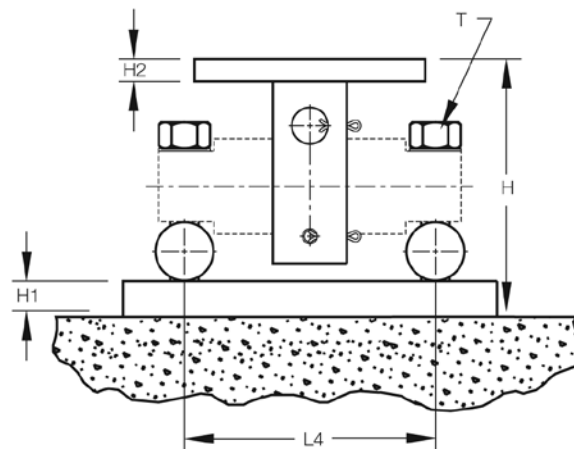
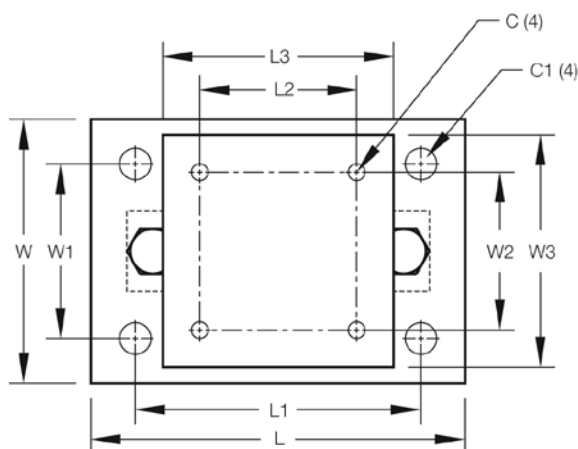


NTEP Excluding  
5K and 150K

NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# EZ Mount 1

Stainless Steel Weigh Modules, Rice Lake Weighing Systems



## Dimensions

RATED CAPACITY	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
<b>lb/inches</b>															
5,000-20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000-60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00
150,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00
<b>kg/mm</b>															
2,268.0-9,071.9	14.2	26.9	134.9	19.1	12.7	279.4	203.2	76.2	152.4	174.5	5/8-18 UNF	190.5	101.6	76.2	152.4
13,607.8-27,215.5	17.3	30.2	214.1	25.4	19.1	381.0	292.1	130.0	203.2	215.9	1-14 UNS	254.0	152.4	130.1	203.2
45,359.2	20.6	35.1	263.4	31.8	31.8	457.2	355.6	190.5	254.0	241.3	1-14 UNS	304.8	228.6	190.5	254.0
68,039.0	20.6	35.1	263.4	31.8	31.8	457.2	355.6	190.5	254.0	241.3	1-14 UNS	304.8	228.6	190.5	254.0

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>		
5,000-20,000 lb (2,268.0-9,071.9 kg)	17943	\$725.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	17944	1,995.00
100,000 lb (45,359.2 kg)	17945	3,695.00
150,000 lb (68,039.0 kg)	29011	3,695.00
<b>3-Module Kit</b>		
5,000 lb* (2,268.0 kg)	36195	4,325.00
10,000 lb (4,535.9 kg)	36196	4,325.00
20,000 lb (9,071.9 kg)	36197	4,325.00
30,000 lb (13,607.8 kg)	36198	8,295.00
40,000 lb (18,143.7 kg)	36199	8,295.00
50,000 lb (22,679.6 kg)	36200	8,395.00
60,000 lb (27,215.5 kg)	36201	8,395.00
100,000 lb** (45,359.2 kg)	36202	13,295.00
150,000 lb* (68,039.0 kg)	43288	13,295.00

\*Non NTEP Certified

\*\*Load cell bolts protrude from bottom of base plate

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>4-Module Kit</b>		
5,000 lb* (2,268.0 kg)	36203	\$5,800.00
10,000 lb (4,535.9 kg)	36204	5,800.00
20,000 lb (9,071.9 kg)	36205	5,800.00
30,000 lb (13,607.8 kg)	36206	11,275.00
40,000 lb (18,143.7 kg)	36207	11,275.00
50,000 lb (22,679.6 kg)	36208	11,550.00
60,000 lb (27,215.5 kg)	36209	11,550.00
100,000 lb** (45,359.2 kg)	36210	17,650.00
150,000 lb* (68,039.0 kg)	43289	17,650.00
<b>Dummy Load Cells (Mild Steel)</b>		
5,000-20,000 lb —	33749	75.00
30,000-60,000 lb —	74016	95.00
100,000 lb —	94175	150.00
150,000 lb —	158715	225.00



## EZ Mount 1 HE

Stainless Steel Weigh Modules, Hermetically Sealed, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The EZ Mount 1 HE Series weigh modules utilize the double-ended beam design with an articulating top plate to provide superior accuracy in any loading condition. The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations. The RL72010 MH Series load cells give you accuracy and dependability in any environment. Their stainless steel, hermetically sealed design also make them the ideal solution in harsh environments where moisture is present.

Module with RL72010MH  
double-ended shear beam  
load cell.



### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 EZ Mount 1 stainless steel compression mounts
- 3 or 4 RL72010 MH hermetically sealed stainless steel double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Applications

- Medium to heavy-capacity tank and hopper weighing applications

### Standard Features

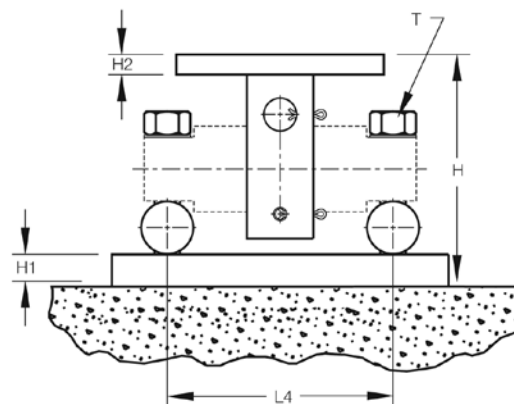
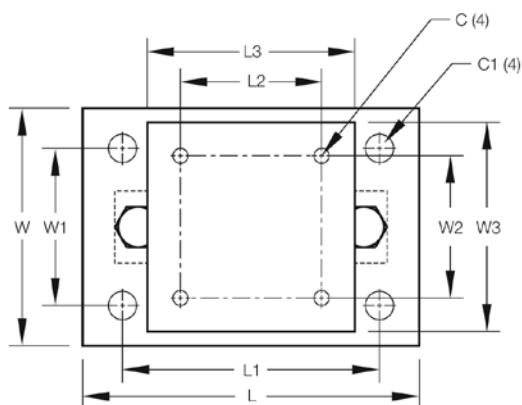
- Capacities (per module): 5,000-60,000 lb (2,268-27,216.0 kg)
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded, double-ended shear beam design
- Low-profile design
- 304 stainless steel construction

### Load Cell Certifications



# EZ Mount 1 HE

Stainless Steel Weigh Modules, Hermetically Sealed, Rice Lake Weighing Systems



## Dimensions

RATED CAPACITY	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
<b>lb/inches</b>															
5,000-20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000-60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
<b>kg/mm</b>															
2,268.0-9,071.9	14.2	26.9	134.9	19.1	12.7	279.4	203.2	76.2	152.4	174.5	5/8-18 UNF	190.5	101.6	76.2	152.4
13,607.8-27,215.5	17.3	30.2	214.1	25.4	19.1	381.0	292.1	130.0	203.2	215.9	1-14 UNS	254.0	152.4	130.1	203.2

NOTES: • Mounting bolts (T) may project on lower side of base plate • Foundation plate not included

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>3-Module Kit</b>		
5,000 lb (2,268.0 kg)	46695	\$5,595.00
10,000 lb (4,535.9 kg)	46696	5,595.00
20,000 lb (9,071.9 kg)	46697	5,595.00
30,000 lb (13,607.8 kg)	46698	10,595.00
40,000 lb (18,143.7 kg)	46699	10,595.00
50,000 lb (22,679.6 kg)	46700	10,595.00
60,000 lb (27,215.5 kg)	46701	10,595.00
<b>4-Module Kit</b>		
5,000 lb (2,268.0 kg)	46702	7,495.00
10,000 lb (4,535.9 kg)	46703	7,495.00
20,000 lb (9,071.9 kg)	46704	7,495.00
30,000 lb (13,607.8 kg)	46705	13,995.00
40,000 lb (18,143.7 kg)	46706	13,995.00
50,000 lb (22,679.6 kg)	46707	13,995.00
60,000 lb (27,215.5 kg)	46708	13,995.00
<b>Dummy Load Cells (Mild Steel)</b>		
5,000-20,000 lb (2,268.0-9,071.9 kg)	33749	75.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	74016	95.00

## Shims

PART #	PRICE
<b>5,000 lb–20,000 lb, Stainless Steel</b>	
0.0625 in 150886	\$7.25
0.125 in 150888	11.50
0.250 in 150889	24.00
<b>30,000 lb–60,000 lb, Stainless Steel</b>	
0.0625 in 150890	12.75
0.125 in 150891	20.50
0.250 in 150892	57.00
<b>100,000 lb–150,000 lb, Stainless Steel</b>	
0.0625 in 150893	20.25
0.125 in 150894	32.50
0.250 in 150896	89.00
<b>5,000 lb–20,000 lb, Mild Steel</b>	
0.0625 in 150874	1.75
0.125 in 150876	3.50
0.250 in 150877	3.75
<b>30,000 lb–60,000 lb, Mild Steel</b>	
0.0625 in 150878	3.50
0.125 in 150880	6.00
0.250 in 150881	6.50
<b>100,000 lb–150,000 lb, Mild Steel</b>	
0.0625 in 150882	5.50
0.125 in 150884	9.50
0.250 in 150885	10.25

## RL1600 Series

Cast Iron Weigh Modules

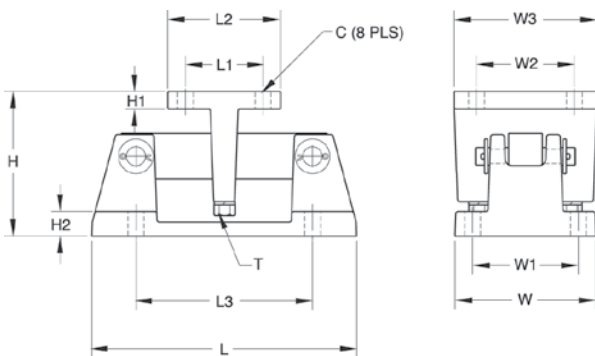


Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL1600 Series mounting module kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 Series kit is ideally suited for indoor and outdoor process control operations in the medium- to high-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Cast iron module with  
RL75016 double-ended beam  
load cell.



### Dimensions

RATED CAPACITY	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
<b>lb/inches</b>													
1,000-5,000	0.56	5.00	0.50	0.50	9.31	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000-25,000	0.78	7.89	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
<b>kg/mm</b>													
453.6-2,268.0	14.2	127.0	12.7	12.7	236.5	69.9	101.6	158.8	1/2-13 UNC	127.0	95.3	69.9	101.6
4,535.9-11,339.8	19.8	200.4	19.1	19.1	304.8	152.4	203.2	190.5	3/4-10 UNC	203.2	152.4	152.4	203.2

### Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1600 cast iron compression mounts
- 3 or 4 RL75016 double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

### Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

### Standard Features

- Capacities (per module): 1,000 lb-25,000 lb (453.6 kg-11,339.8 kg)
- Cast iron construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended beam design, center loaded

### Optional Features

- Kits available with VPG® Sensortronics 65016 load cells, capacities (per module): 1,000 lb-25,000 lb (453.6 kg-11,339.8 kg)

### Load Cell Certifications



## RL1600 Series

Cast Iron Weigh Modules

### Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>Single Module (Does not Include Load Cell)</b>			
1,000-5,000 lb	(453.6-2,268.0 kg)	17964	\$150.00
10,000-25,000 lb	(4,535.9-11,339.8 kg)	17965	290.00
<b>3-Module Kit</b>			
1,000 lb	(453.6 kg)	25663	1,995.00
1,500 lb	(680.4 kg)	25664	1,995.00
2,000 lb	(907.2 kg)	25665	1,995.00
2,500 lb	(1,134.0 kg)	25666	1,995.00
3,000 lb	(1,360.8 kg)	25667	1,995.00
5,000 lb	(2,268.0 kg)	25668	1,995.00
10,000 lb	(4,535.9 kg)	25669	2,595.00
15,000 lb	(6,803.9 kg)	25671	2,595.00
20,000 lb	(9,071.9 kg)	25672	2,595.00
25,000 lb	(11,339.8 kg)	25674	2,595.00
<b>4-Module Kit</b>			
1,000 lb	(453.6 kg)	25675	2,550.00
1,500 lb	(680.4 kg)	25676	2,550.00
2,000 lb	(907.2 kg)	25677	2,550.00
2,500 lb	(1,134.0 kg)	25678	2,550.00
3,000 lb	(1,360.8 kg)	25679	2,550.00
5,000 lb	(2,268.0 kg)	25680	2,550.00
10,000 lb	(4,535.9 kg)	25681	3,350.00
15,000 lb	(6,803.9 kg)	25682	3,350.00
20,000 lb	(9,071.9 kg)	25683	3,350.00
25,000 lb	(11,339.8 kg)	25684	3,350.00

### Load Cell Upgrade

<b>RL75016SS Stainless Load Cells</b>	
3 mount kits \$75.00 added to list price	
4 mount kits \$100.00 added to list price	
<b>RL75016WHE Stainless Hermetic Load Cells</b>	
3 mount kits 1,000 lb-5,000 lb \$390.00, 10k-25k \$435.00 added to list price	
4 mount kits 1,000 lb-5,000 lb \$520.00, 10k-25k \$580.00 added to list price	

## VPG Sensortronics 65016

### Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>3-Module Kit</b>			
1,000 lb	(453.6 kg)	25685	\$2,350.00
1,500 lb	(680.4 kg)	25686	2,350.00
2,500 lb	(1,134.0 kg)	25688	2,350.00
5,000 lb	(2,268.0 kg)	25690	2,350.00
10,000 lb	(4,535.9 kg)	25691	2,950.00
15,000 lb	(6,803.9 kg)	25692	2,950.00
20,000 lb	(9,071.9 kg)	25693	2,950.00
25,000 lb	(11,339.8 kg)	25694	2,950.00
<b>4-Module Kit</b>			
1,000 lb	(453.6 kg)	25695	3,050.00
1,500 lb	(680.4 kg)	25696	3,050.00
2,500 lb	(1,134.0 kg)	25698	3,050.00
5,000 lb	(2,268.0 kg)	25700	3,050.00
10,000 lb	(4,535.9 kg)	25701	3,875.00
15,000 lb	(6,803.9 kg)	25702	3,875.00
20,000 lb	(9,071.9 kg)	25703	3,875.00
25,000 lb	(11,339.8 kg)	25704	3,875.00
<b>Dummy Load Cells</b>			
1,000 lb-5,000 lb	(453.6-2,268.0 kg)	18236	20.00
10,000 lb-25,000 lb	(4,535.9-11,339.8 kg)	18237	35.00

### Shims, Mild Steel

	PART #	PRICE
<b>1,000 lb-5,000 lb</b>		
0.0625	150844	\$1.00
0.125	150845	1.50
0.250	150846	1.75
<b>10,000 lb-25,000 lb</b>		
0.0625	150847	3.50
0.125	150848	6.00
0.250	150849	6.50

# RL1600 Series

Mild Steel Weigh Modules

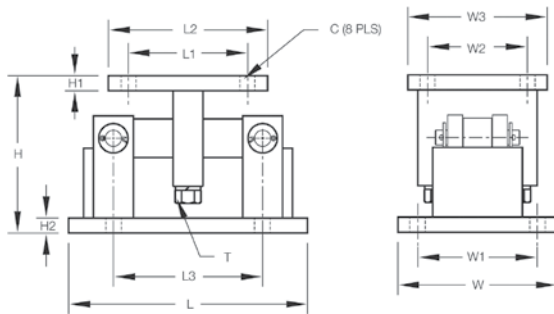


Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL1600 Series mounting module kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 Series kit is ideally suited for indoor and outdoor process control operations in the medium- to high-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Mild steel module with RL75016 double-ended beam load cell.



## Dimensions

RATED CAPACITY	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
<b>lb/inches</b>													
1,000-5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000-25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000-75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00
<b>kg/mm</b>													
453.6-2,268.0	14.2	127.0	12.7	12.7	235.0	69.9	101.6	158.8	1/2-13 UNC	127.0	95.3	69.9	101.6
4,535.9-11,339.8	19.8	199.9	19.1	19.1	304.8	152.4	203.2	190.5	3/4-10 UNC	203.2	152.4	152.4	203.2
22,679.7-34,019.5	19.8	234.9	25.4	25.4	412.8	165.1	228.6	292.1	1 1/4-7 UNC	304.8	241.3	165.1	228.6

## Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1600 mild steel compression mounts
- 3 or 4 RL75016 double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

## Standard Features

- Capacities (per module): 1,000 lb-75,000 lb (453.6 kg-34,019.5 kg)
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded
- Painted mild steel construction

## Optional Features

- Kits available with VPG® Sensortronics 65016 load cells, capacities (per module): 1,000 lb-75,000 lb (453.6 kg-34,019.5 kg)

## Load Cell Certifications



## RL1600 Series

Mild Steel Weigh Modules

### Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>Single Module (Does NOT Include Load Cell)</b>			
1,000 lb-5,000 lb	(453.6 kg-2,268.0 kg)	17812	\$150.00
10,000 -25,000 lb	(4,535.9 kg-11,339.8 kg)	17814	290.00
50,000 lb	(22,679.6 kg)	17816	975.00
75,000 lb	(34,019.5 kg)	25346	975.00
<b>3-Module Kit</b>			
1000 lb	(453.6 kg)	18117	1,995.00,
1500 lb	(680.4 kg)	18118	1,995.00
2000 lb	(907.2 kg)	18119	1,995.00
2500 lb	(1,134.0 kg)	18120	1,995.00
3000 lb	(1,360.8 kg)	18121	1,995.00
5000 lb	(2,268.0 kg)	18122	1,995.00
10,000 lb	(4,535.9 kg)	18123	2,595.00
15,000 lb	(6,803.9 kg)	18124	2,595.00
20,000 lb	(9,071.9 kg)	18125	2,595.00
25,000 lb	(11,339.8 kg)	18126	2,595.00
50,000 lb	(22,679.6 kg)	18127	5,350.00
75,000 lb	(34,019.5 kg)	25348	5,350.00
<b>4-Module Kit</b>			
1,000 lb	(453.6 kg)	18129	2,550.00
1,500 lb	(680.4 kg)	18130	2,550.00
2,000 lb	(907.2 kg)	18131	2,550.00
2,500 lb	(1,134.0 kg)	18132	2,550.00
3,000 lb	(1,360.8 kg)	18133	2,550.00
5,000 lb	(2,268.0 kg)	18134	2,550.00
10,000 lb	(4,535.9 kg)	18135	3,350.00
15,000 lb	(6,803.9 kg)	18136	3,350.00
20,000 lb	(9,071.9 kg)	18137	3,350.00
25,000 lb	(11,339.8 kg)	18138	3,350.00
50,000 lb	(22,679.6 kg)	18139	7,150.00
75,000 lb	(34,019.5 kg)	25349	7,150.00

### Load Cell Upgrade

<b>RL75016SS Stainless Steel Load Cells</b>
3 mount kits \$75.00 added to list price
4 mount kits \$100.00 added to list price
<b>RL75016WHE Stainless Steel Hermetic Load Cells</b>
3 mount kits 1,000 lb-5,000 lb \$390.00, 10,000 lb-25,000 lb \$435.00 added to list price
4 mount kits 1,000 lb-5,000 lb \$520.00, 10,000 lb-25,000 lb \$580.00 added to list price

## VPG Sensortronics 65016

### Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>3-Module Kit</b>			
1,000 lb	(453.6 kg)	18189	\$2,350.00
1,500 lb	(680.4 kg)	18190	2,350.00
2,500 lb	(1,134.0 kg)	18192	2,350.00
5,000 lb	(2,268.0 kg)	18194	2,350.00
10,000 lb	(4,535.9 kg)	18195	2,950.00
15,000 lb	(6,803.9 kg)	18196	2,950.00
20,000 lb	(9,071.9 kg)	18197	2,950.00
25,000 lb	(11,339.8 kg)	18198	2,950.00
50,000 lb	(22,679.6 kg)	18199	5,795.00
75,000 lb	(34,019.5 kg)	25350	5,795.00
<b>4-Module Kit</b>			
1,000 lb	(453.6 kg)	18201	3,050.00
1,500 lb	(680.4 kg)	18202	3,050.00
2,500 lb	(1,134.0 kg)	18204	3,050.00
5,000 lb	(2,268.0 kg)	18206	3,050.00
10,000 lb	(4,535.9 kg)	18207	3,875.00
15,000 lb	(6,803.9 kg)	18208	3,875.00
20,000 lb	(9,071.9 kg)	18209	3,875.00
25,000 lb	(11,339.8 kg)	18210	3,875.00
50,000 lb	(22,679.6 kg)	18211	7,595.00
75,000 lb	(34,019.5 kg)	25351	7,595.00
<b>Dummy Load Cells</b>			
1,000 lb-5,000 lb	(453.6 kg-2,268.0 kg)	18236	20.00
10,000 lb-25,000 lb	(4,535.9 kg-11,339.8 kg)	18237	35.00
50,000 lb	(22,679.6 kg)	18238	50.00

### Shims, Mild Steel

		PART #	PRICE
<b>1,000 lb-5,000 lb</b>			
0.0625		150844	\$1.00
0.125		150845	1.50
0.250		150846	1.75
<b>10,000 lb-25,000 lb</b>			
0.0625		150847	3.50
0.125		150848	6.00
0.250		150849	6.50
<b>50,000 lb-75,000 lb</b>			
0.0625		150850	4.50
0.125		150851	7.50
0.250		150866	6.00



# RL1600 Series

Stainless Steel Weigh Modules

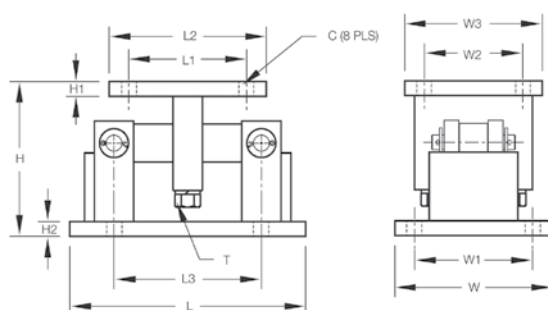


Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The RL1600 Series mounting module kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 Series kit is ideally suited for indoor and outdoor process control operations in the medium-to high-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Fabricated stainless steel module with RL75016 SS double-ended beam load cell.



## Dimensions

RATED CAPACITY	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
<b>lb/inches</b>													
1,000-5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000-25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000-75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00
<b>kg/mm</b>													
453.6-2,268.0	14.2	127.0	12.7	12.7	235.0	69.9	101.6	158.8	1/2-13 UNC	127.0	95.3	69.9	101.6
4,535.9-11,339.8	19.8	199.9	19.1	19.1	304.8	152.4	203.2	190.5	3/4-10 UNC	203.2	152.4	152.4	203.2
22,679.7-34,019.5	19.8	234.9	25.4	25.4	412.8	165.1	228.6	292.1	1 1/4-7 UNC	304.8	241.3	165.1	228.6

## Complete Kit Includes

- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 3 or 4 RL1600 stainless steel compression mounts
- 3 or 4 RL75016 SS stainless steel double-ended shear beam load cells
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Medium-to heavy-capacity tanks, bins, and hoppers
- Bulk material management

## Standard Features

- Capacities (per module): 1,000 lb-75,000 lb (453.6 lb-34,019.5 kg)
- 304 stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded

## Optional Features

- Kits available with VPG Sensortronics 65016W SS load cells

## Load Cell Certifications



Rice Lake load cells only

## RL1600 Series

Stainless Steel Weigh Modules

### Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>Single Module (Does NOT include Load Cell)</b>			
1,000 lb-5,000 lb	(453.6 kg-2,268.0 kg)	17813	\$565.00
10,000 lb-25,000 lb	(4,535.9 kg-11,339.8 kg)	17815	1,095.00
50,000 lb	(22,679.6 kg)	17842	2,595.00
75,000 lb	(34,019.5 kg)	25347	2,595.00
<b>3-Module Kit</b>			
1,000 lb	(453.6 kg)	18141	3,250.00
1,500 lb	(680.4 kg)	18142	3,250.00
2,000 lb	(907.2 kg)	18143	3,250.00
2,500 lb	(1,134.0 kg)	18144	3,250.00
5,000 lb	(2,268.0 kg)	18145	3,250.00
10,000 lb	(4,535.9 kg)	18146	4,895.00
15,000 lb	(6,803.9 kg)	18147	4,895.00
20,000 lb	(9,071.9 kg)	18148	4,895.00
25,000 lb	(11,339.8 kg)	18149	4,895.00
50,000 lb	(22,679.6 kg)	18150	10,995.00
75,000 lb	(34,019.5 kg)	25352	10,995.00
<b>4-Module Kit</b>			
1,000 lb	(453.6 kg)	18152	4,195.00
1,500 lb	(680.4 kg)	18153	4,195.00
2,000 lb	(907.2 kg)	18154	4,195.00
2,500 lb	(1,134.0 kg)	18155	4,195.00
5,000 lb	(2,268.0 kg)	18156	4,195.00
10,000 lb	(4,535.9 kg)	18157	6,695.00
15,000 lb	(6,803.9 kg)	18158	6,695.00
20,000 lb	(9,071.9 kg)	18159	6,695.00
25,000 lb	(11,339.8 kg)	18160	6,695.00
50,000 lb	(22,679.6 kg)	18161	14,995.00
75,000 lb	(34,019.5 kg)	25353	14,995.00

## VPG Sensortronics 65016W

### Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>3-Module Kit</b>			
1,000 lb	(453.6 kg)	18213	\$3,495.00
1,500 lb	(680.4 kg)	18214	3,495.00
2,500 lb	(1,134.0 kg)	18216	3,495.00
5,000 lb	(2,268.0 kg)	18217	3,495.00
10,000 lb	(4,535.9 kg)	18218	5,295.00
15,000 lb	(6,803.9 kg)	18219	5,295.00
20,000 lb	(9,071.9 kg)	18220	5,295.00
25,000 lb	(11,339.8 kg)	18221	5,295.00
50,000 lb	(22,679.6 kg)	18222	11,595.00
75,000 lb	(34,019.5 kg)	25354	11,595.00
<b>4-Module Kit</b>			
1,000 lb	(453.6 kg)	18224	4,595.00
1,500 lb	(680.4 kg)	18225	4,595.00
2,500 lb	(1,134.0 kg)	18227	4,595.00
5,000 lb	(2,268.0 kg)	18228	4,595.00
10,000 lb	(4,535.9 kg)	18229	6,995.00
15,000 lb	(6,803.9 kg)	18230	6,995.00
20,000 lb	(9,071.9 kg)	18231	6,995.00
25,000 lb	(11,339.8 kg)	18232	6,995.00
50,000 lb	(22,679.6 kg)	18233	15,295.00
75,000 lb	(34,019.5 kg)	25355	15,295.00
<b>Dummy Load Cells (Mild Steel)</b>			
1,000 lb-5,000 lb	(453.6-2,268.0 kg)	18236	20.00
10,000 lb-25,000 lb	(4,535.9 kg-11,339.8 kg)	18237	35.00
50,000 lb	(22,679.6 kg)	18238	50.00

## Shims, Stainless

	PART #	PRICE
<b>1,000 lb-5,000 lb</b>		
0.0625	150852	\$3.25
0.125	150853	8.50
0.250	150854	14.25
<b>10,000 lb-25,000 lb</b>		
0.0625	150855	12.75
0.125	150856	20.50
0.250	150857	57.00
<b>50,000 lb-75,000 lb</b>		
0.0625	150858	16.25
0.125	150859	26.25
0.250	150861	72.25

# MVS Mount/MVS

Conversion Kit



*Picture is a representation of actual product*

Designed for the Rice Lake Weighing Systems SURVIVOR® truck scale product line, the MVS can also be purchased independently to support existing designs or applications. Built to withstand the punishment of the most severe environments, the MVS utilizes the center-loaded double-ended shear beam load cell design. The mount is self-centering, which eliminates the need of costly check rods. This results in a pendulum suspension effect that eliminates binding, protects the load cells from damaging side load common on truck scales and automatically returns the mount to dead center. The mount is easy to install and promises high performance and long life.

## Complete Kit Includes

- 4 to 10 RL75058-75,000 lb load cells with 35 ft or 60 ft cables
- 4 to 10 MVS mounts
- JB 8SPT junction box (JB1010 on 10 module kit)
- 100 ft of our hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Truck/truck scale conversion
- Heavy-capacity horizontal tanks

## Standard Features

- Capacity design: 10,000 lb-125,000 lb (4,536.0 kg-34,019.4 kg)
- Mild steel construction
- Specially hardened center link
- Self-checking design
- Self-centering design
- Accommodates thermal expansion and contraction

## Optional Features

- VPG® Sensortronics 65058 or VPG Celtron CLB

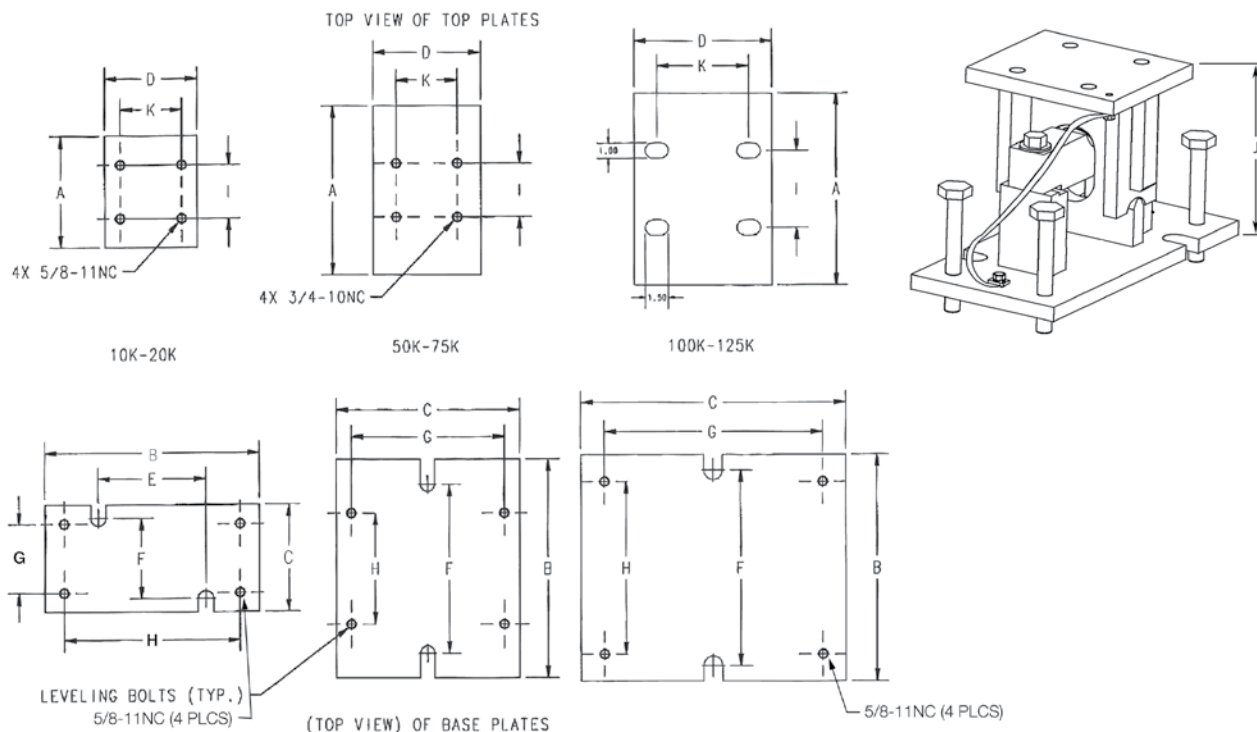
## Load Cell Certifications



*NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.*

# MVS Mount/MVS

## Conversion Kit



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K
<b>lb/inches</b>											
10,000-25,000	7.25	14.00	7.00	6.00	7.00	5.25	4.50	11.50	3.50	8.50	4.00
50,000-75,000	11.00	14.25	12.00	7.00	—	11.00	10.00	7.25	3.50	11.53	4.00
100,000-125,000	12.50	14.75	17.25	9.00	—	12.75	14.25	11.25	5.00	14.21	6.00
<b>kg/mm</b>											
4,536.0-11,340.0	184.2	355.6	177.8	152.4	177.8	133.5	114.3	292.1	88.9	215.9	101.6
22,679.6-34,019.4	279.4	362.0	304.8	177.8	—	279.4	254	184.15	88.9	292.9	101.6
45,360-56,700.0	317.50	374.7	438.2	228.6	—	323.9	362.0	285.8	127.0	360.9	152.4

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>MVS Mount (Does NOT Include Load Cell)</b>		
10,000 lb-25,000 lb (4,536 kg-11,340 kg)	71200	\$595.00
50,000 lb-75,000 lb (22,679.6 kg-34,019.4 kg)	46441	695.00
100,000 lb-125,000 lb (45,360 kg-56,700.0 kg)	68520	1,200.00

Custom heights available; Consult

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
<b>MVS Conversion Kits (Includes 75,000 lb* Load Cells, Mounts &amp; J-Box)</b>		
4-module kit	68495	\$6,595.00
6-module kit	68496	9,695.00
8-module kit	68497	13,195.00
10-module kit	68498	16,995.00
<b>Dummy Load Cell</b>		
50 lb-75,000 lb	169388	150.00
100,000 lb-125,000 lb	159696	175.00

\* Consult for other capacity requirements

# TSA Truck Scale Assembly

Rice Lake Weighing Systems

## Applications

- Truck, track, horizontal tank or general purpose
- Light-duty livestock to heavy-duty vehicle scales

## Standard Features

- Capacities: 10,000 lb-75,000 lb (4,535.9 kg-34,019.4 kg)
- Constructed of cast steel and iron with primer coating
- Unique high-performance Unilink suspension system
- Center-loaded double-ended shear beam design
- Self-checking design
- Rubber pad provided for mounting

## Optional Features

- 20,000 lb-75,000 lb (9,071.9 kg-34,019.4 kg) capacity NTEP Certified load cells available for 1:10,000d, Class IIII

*NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.*



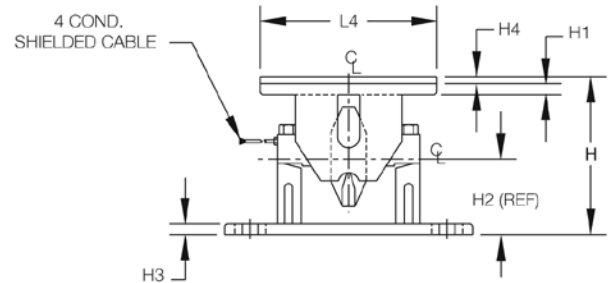
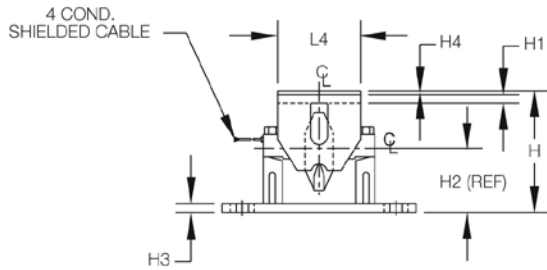
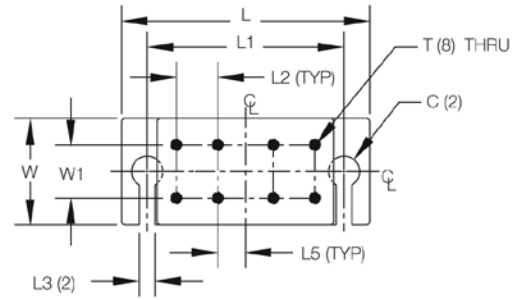
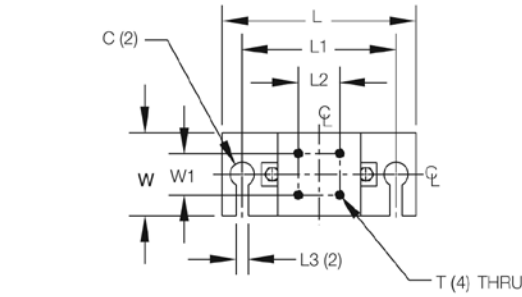
*Mount only; does not include load cell*

*Picture is a representation of actual product*

The TSA truck scale assembly is designed for use with Rice Lake Weighing Systems' RL75058 or VPG Sensortronics® 65058. The Unilink suspension design checks lateral movement of the assembly, while controlled floating of the scale deck is allowed. The effective integration of the TSA mount and the double-ended shear beam load cell eliminates the need for troublesome check rods, links, expansion assemblies and other peripheral hardware.

# TSA Truck Scale Assembly

Rice Lake Weighing Systems



## Dimensions

RATED CAPACITY	C	H	H1	H2	H3	H4	L	L1	L2	L3	L4	L5	T	W	W1
<b>lb/inches</b>															
10,000-25,000	1.75 dia.	8.75	0.62	4.62	0.62	0.25	14.00	11.00	3.00	0.88	6.00	—	5/8-11 UNC-2B	6.00	3.00
50,000-75,000	2.00 dia.	11.00	0.75	5.44	0.75	0.50	18.00	14.00	3.00	0.88	12.75	2.00	3/4-10 UNC-2B	7.00	3.50
<b>kg/mm</b>															
4,535.9-11,339.8	44.5 dia.	222.3	15.7	117.3	15.7	6.4	355.6	279.4	76.2	22.4	152.4	—	5/8-11 UNC-2B	152.4	76.2
22,679.6-34,019.4	50.8 dia.	279.4	19.1	138.2	19.1	12.7	457.2	355.6	76.2	22.4	323.9	50.8	3/4-10 UNC-2B	177.8	88.9

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
10,000-20,000-25,000 lb (4,535.9 kg-9,071.9-11,339.8 kg)	17821	\$1,195.00
50,000-60,000-75,000 lb (22,679.6 kg-27,215.5-34,019.4 kg)	17822	1,395.00

\*Mount only; does not include load cell

See VPG Sensortronics® load cell model 65058 specifications

See Rice Lake Weighing Systems load cell model RL75058 specifications

See welded-seal RL75060S cell



# Translink™ Parallel Link Truck Scale Assembly

Rice Lake Weighing Systems

## Applications

- Truck scale mount
- Heavy-capacity horizontal tanks

## Standard Features

- Capacities: 25,000 lb-100,000 lb (11,339.8 kg-45,359.4 kg)
- Center-supported, end-loaded double-ended shear beam design
- Free movement in all directions in the horizontal plane with virtually no friction
- Links provide optimal loading conditions for the cell
- Completely self-centering
- Requires no check rods
- Utilizes cells with 3 mV/V output
- Models available are RL75223 and RL75040, RTI 5223 and VPG® Sensortronics 65040A load cells

*NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.*



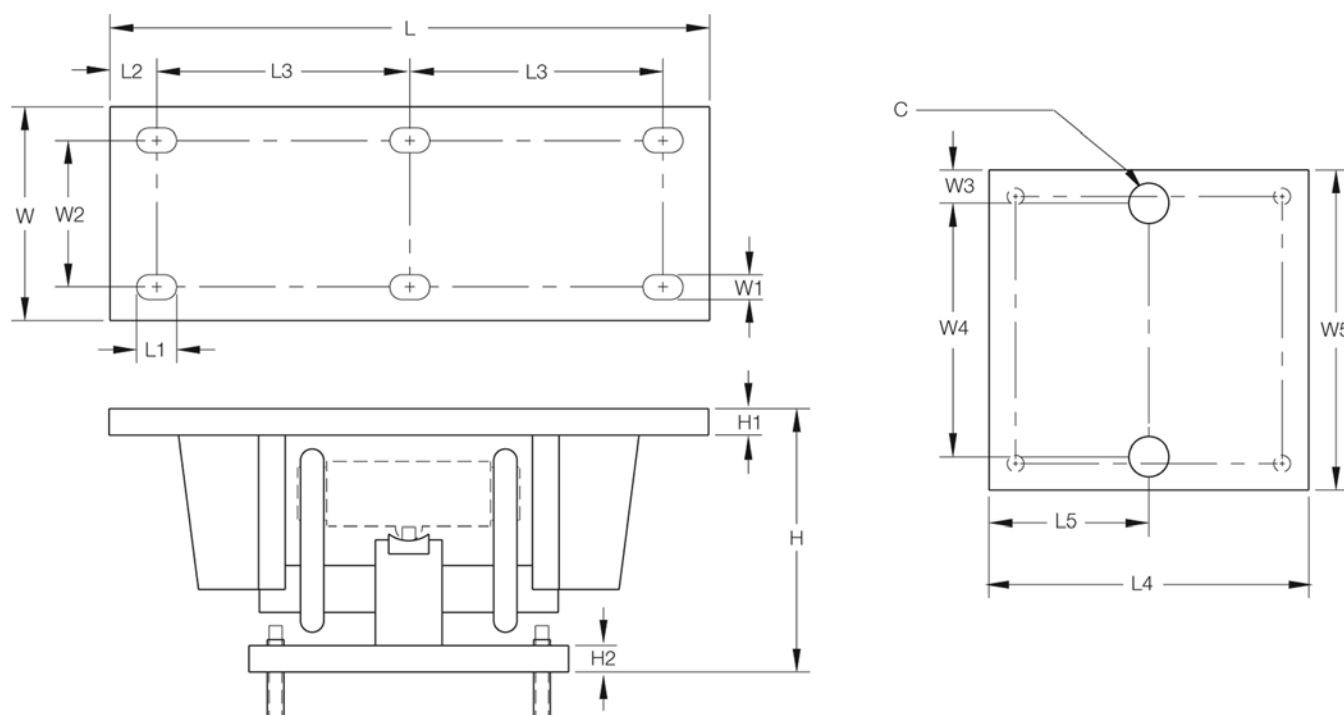
*Mount only; does not include load cell*

*Picture is a representation of actual product*

The Translink parallel link truck scale assembly is designed for use with Rice Lake Weighing Systems' RL75223 and RL75040A, Revere® Transducers 5223 or VPG Sensortronics®' 65040A load cells. This design allows the scale platform to move freely in all directions in a horizontal plane while causing the platform to self-center because of the pendulous action of the links. The unique parallel link design eliminates the need for costly and troublesome checkrods. Simply install platform bumpers and forget about over-travel. This mount is ideal for heavy-capacity weigh bridges.

# Translink™ Parallel Link Truck Scale Assembly

Rice Lake Weighing Systems



## Dimensions

RATED CAPACITY	C	H	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3	W4	W5
<b>lb/in</b>																
50,000-100,000 (RL75223, 5223)	1.50	12.93	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
25,000-40,000 (RL75040A, 65040A)	1.50	9.88	1.00	1.00	18.50	1.50	1.75	7.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
50,000-75,000 (RL75040A, 65040A)	1.50	12.82	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
<b>kg/mm</b>																
22,679.6-45,359.4	38.1	328.4	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.4
11,339.8-18,143.7	38.1	251.0	25.4	25.4	469.9	37.5	44.5	190.5	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.4
22,679.6-34,019.4	38.1	325.6	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.4

## Order Information

LOAD RATING (PER MODULE)		PART #	PRICE
<b>For Use With RL75223, 5223 Load Cells</b>			
50,000 lb-100,000 lb	(22,679.6 kg-45,359.4 kg)	17970	\$725.00
<b>For Use With RL75040A, 65040A Load Cells</b>			
25,000 lb-40,000 lb	(11,339.8 kg-18,143.7 kg)	17971	725.00
50,000 lb-75,000 lb	(22,679.6 kg-34,019.4 kg)	17972	725.00

\*Mount only; does not include load cell

See load cell model RL75223 (RLWS), load cell model RL75040 (RLWS) and model 65040A (VPG Sensortronics) specifications

# Motor Truck Scale Electronic Conversion Kit

Rice Lake Weighing Systems



## Complete Kit Includes

- 1 JB8SP NEMA Type 4X signal-trim junction box with individual and section trimming capability (6 and 8-mount kits) or 1 JB4SP NEMA Type 4X signal-trim junction box (4-mount kits)
- 1 UJB3T6 DC transient protector
- 4, 6 or 8 Translink mounting assemblies with RL75040 or RL75223 load cells
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

## Applications

- Updating existing mechanical motor truck scales
- Replacing unsatisfactory electronic motor truck scales
- Conversion of heavy-capacity scales into fully electronic vehicle scales where the existing scale cannot be removed

## Standard Features

- Cost- and time-efficient installation; no need to remove weighbridge
- Converts existing scale capacities of 40,000 lb-300,000 lb (18,143.7 kg-90,718.7 kg)
- 4, 6 or 8-mount kits for 2, 3 or 4-section conversions
- Translink™ heavy-capacity mounting assemblies
- Free movement in all directions in the horizontal plane with virtually no friction
- Completely self-centering
- Requires no check rods
- Capacity per mount: 25,000 lb-100,000 lb (11,339.8 kg-45,359.4 kg)
- Utilizes cells with 3 mV/V output

## Optional Features

- Custom heights available; consult
- RLWS RL75223 welded-seal, VPG® Sensortronics 65040A or RTI 5223 load cells

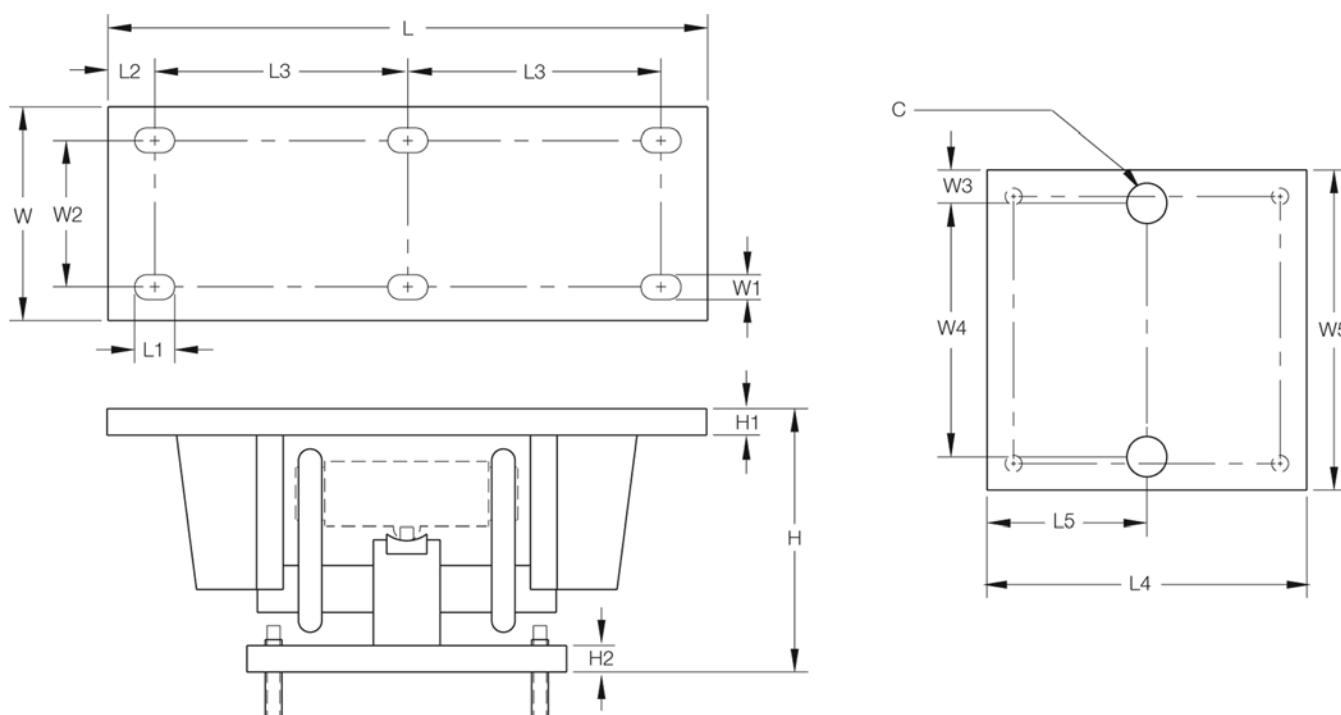
*NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.*

*Picture is a representation of actual product*

Full electronic performance can be achieved at a fraction of the cost of a new scale and pit. The Motor Truck Scale (MTS) Electronic conversion kit is designed to transform an existing scale pit and weighbridge into a fully electronic vehicle scale. Designed for quick installation without removing the platform or reconfiguring the pit, the conversion kit can often be installed in a matter of days, minimizing downtime. This ease of installation is important when considering installations where it is not feasible to completely remove the existing scale.

# Motor Truck Scale Electronic Conversion Kit

Rice Lake Weighing Systems



## Dimensions

RATED CAPACITY	C	H*	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3	W4**	W5
<b>lb/inches</b>																
50,000-100,000 (RL75223)	1.50	12.93	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
25,000-40,000 (RL75040A)	1.50	9.88	1.00	1.00	18.50	1.50	1.75	7.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
50,000-75,000 (RL75040A)	1.50	12.82	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
<b>kg/mm</b>																
22,679.6-45,400.00 (RL75223)	38.1	328.4	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45
11,339.8-18,143.7 (RL75040A)	38.1	251.0	25.4	25.4	469.9	37.5	44.5	190.5	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45
22,679.6-34,019.4 (RL75040A)	38.1	325.6	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45

\*Custom heights available; consult

\*\*Custom hole spacing for existing bolt patterns is available; consult

## Order Information

SCALE SUGGESTED CAPACITY	LOAD CELL CAPACITY (PER MODULE)	PART #	PRICE	LOAD CELL USED IN KIT
<b>4-Module Kit (Includes Weigh Modules Load Cells, Junction Box, and Transient Protection)</b>				
40,000 lb (18,143.7 kg)	25,000 lb (11,339.8 kg)	30513	\$5,525.00	RL75040A
60,000 lb (27,215.6 kg)	40,000 lb (18,143.7 kg)	30514	6,025.00	RL75040A
<b>6-Module Kit (Includes Weigh Modules Load Cells, Junction Box, and Transient Protection)</b>				
100,000 lb (45,359.4 kg)	50,000 lb (22,679.6 kg)	30515	9,495.00	RL75040A
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30516	9,495.00	RL75040A
<b>8-Module Kit (Includes Weigh Modules Load Cells, Junction Box, and Transient Protection)</b>				
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30517	12,225.00	RL75040A
200,000 lb (90,718.7 kg)	75,000 lb (34,019.4 kg)	30518	12,225.00	RL75040A
300,000 lb (SD 136,078.1 kg)	100,000 lb (45,359.4 kg)	30512	14,950.00	RL75223

SD refers to super duty, 100,000 lb (45,359.4 kg) capacity welded-seal load cells

# MagnaMount®

Tank, Truck & Railroad Track Assembly

## Applications

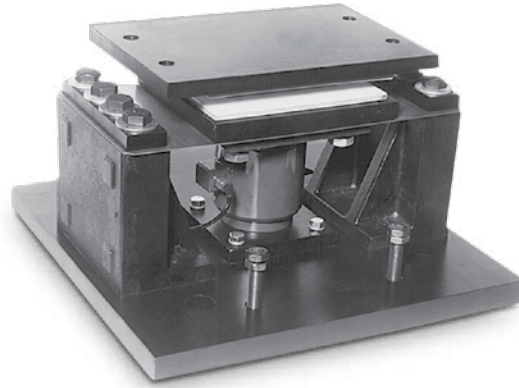
- Truck scale mount\*
- Heavy-capacity horizontal tanks\*
- Railroad track mount\*

## Standard Features

- Capacities: 50,000, 100,000 and 200,000 lb (22,679.6, 45,359.4 and 90,718.7 kg)
- Protects load cell from shock and side loads
- Low-profile design
- High-strength load bearing plate made of high-grade carbon steel hardened to Rockwell C 48-54
- PTFE-coated shock absorbing pads
- Compatible with VPG® Revere CP and CSP and Rice Lake Weighing Systems' RLCSP1 NTEP Certified load cells

*\*Check rods required*

*NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.*



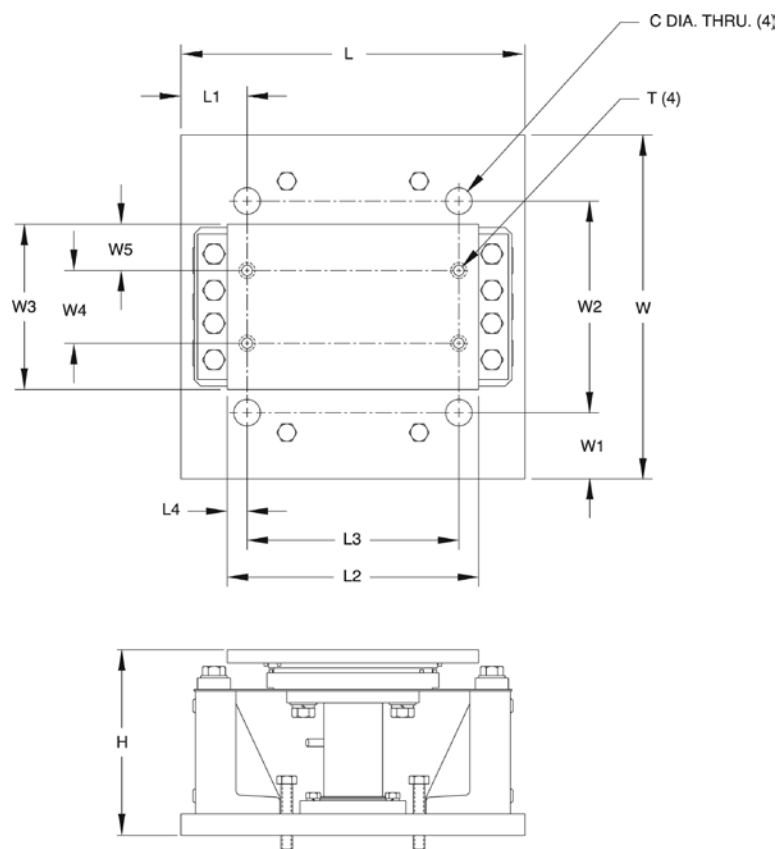
*Mount only; does not include load cell*

*Picture is a representation of actual product*

The Magna Mount tank, truck and railroad scale assembly is designed for use with Rice Lake Weighing Systems' RLCSP1 or Revere Transducers CP or CSP load cells. The shielded cell load cell mounting assembly is a highly reliable design that shields the load cell from shock and side load effects, assuring accurate weighing even under adverse loading conditions.

# MagnaMount®

Tank, Truck & Railroad Track Assembly



## Dimensions

RATED CAPACITY	C	H	L	L1	L2	L3	L4	T	W	W1	W2	W3	W4	W5
<b>lb/inches</b>														
50,000	1.25	7.39	13.00	1.75	11.25	8.50	1.37	3/4-10 UNC	12.00	1.75	8.50	8.00	4.50	1.75
100,000	1.50	11.29	20.00	2.50	18.00	15.50	1.25	7/8-9 UNC	17.00	2.50	12.00	9.00	5.50	1.75
200,000	2.00	14.10	26.00	5.00	19.00	16.00	1.50	1-8 UNC	26.00	5.00	16.00	12.50	5.50	3.50
<b>kg/mm</b>														
22,679.6	31.8	187.7	330.2	44.5	285.8	241.3	34.8	3/4-10 UNC	304.8	44.5	215.9	203.2	114.3	44.5
45,359.4	38.1	286.8	508.0	63.5	457.2	393.7	31.8	7/8-9 UNC	431.8	63.5	304.8	228.6	139.7	44.5
90,718.7	50.8	358.1	660.4	127.0	482.6	406.4	38.1	1-8 UNC	660.4	127.0	406.4	317.5	139.7	88.9

## Order Information

LOAD RATING (PER MODULE)	PART #	PRICE
50,000 lb (22,679.6 kg)	21723	\$1,395.00
100,000 lb (45,359.4 kg)	21724	1,695.00
200,000 lb (90,718.7 kg)	17974	2,495.00

\*Mount only; does not include load cell

See Revere Transducers load cell model CP, and page 286 for NTEP Certified load cell model CSP specifications

See Rice Lake Weighing Systems' NTEP Certified load cell model RLCSP1



# Mettler Toledo™ DigiTOL® Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems/Flintec

## RC1 Load Cells

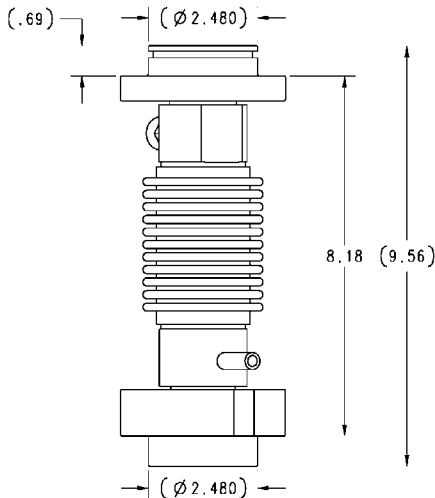


Shown here with the JB8SP signal trim junction box

Picture is a representation of actual product

These kits are designed to provide a cost effective solution for replacing Toledo™ DigiTOL® digital load cells with analog load cells. The Flintec RC1 and RC3 load cells are stainless steel and hermetically sealed to provide years of trouble-free service.

## Load Cell Certifications



RC1-250KN

## Complete Kit Includes

- 1 JB8SP or 2 JB8SP signal trim junction boxes (8 and 10 mount kit)
- 3 EL304 signal trim boxes in 12 mount kits
- 8, 10 or 12 Flintec RC1-250 KN load cells with upper and lower load cups
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Cups included

## Applications

- Toledo® DigiTOL® truck scale conversion

## Standard Features

- Stainless steel hermetically sealed load cells
- Converts existing Mettler Toledo DigiTOL scale to an analog based load cell weighing system
- 8, 10 or 12 load cells, cups plus J-box and homerun cable
- Load cells are NTEP Certified 1:10,000 divisions, Class III L\*
- Rocker design load cells
- Load cups

## DigiTOL Retrofit Order information

DESCRIPTION	PART #	PRICE
8 mount kit. (RC1-56,000)	78713	\$8,795.00
10 mount kit. (RC1-56,000)	78714	10,695.00
12 mount kit (RC1-56,000)	152774	13,195.00

\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

# Mettler Toledo™ DigiTOL® Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems/Flintec

## RC3 Load Cells

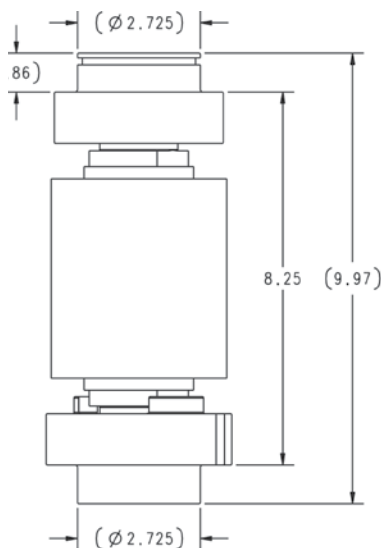


Shown here with the JB8SP signal trim junction box

Picture is a representation of actual product

This kit is designed to provide a cost effective solution for replacing Mettler Toledo™ DigiTOL® digital load cells with analog load cells. The Flintec® RC3 load cell is stainless steel and hermetically sealed to provide years of trouble-free service.

## Load Cell Certifications



RC3-50t

## Complete Kit Includes

- 1 JB8SP or 2 JB8SP signal trim junction boxes (8 and 10 mount kit)
- 3 EL304 signal trim boxes in 12 mount kits
- 8, 10 or 12 Flintec RC3
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Cups included

## Applications

- Toledo DigiTOL truck scale conversion

## Standard Features

- Stainless steel hermetically sealed load cells
- Converts existing Mettler Toledo DigiTOL scale to an analog based load cell weighing system
- 8 or 10 load cells, cups plus junction box and homerun cable
- Load cells are NTEP Certified 1:10,000 divisions, Class IIII\*
- Rocker design load cells
- Load cups

## DigiTOL Retrofit Order information

DESCRIPTION	PART #	PRICE
8 mount kit (RC3-50T) RR/track	129844	\$11,995.00
8 mount (RC3-50T) truck	154347	11,995.00
10 mount kit (RC3-50T) RR/track	111367	14,795.00
10 mount kit (RC3-50T) truck	154348	14,795.00
12 mount kit (RC3-50T) truck	154349	17,185.00

\*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

# Electronic Floor Scale Underdeck Kits



## Alloy Steel Load Cells

### INDUSTRIAL APPLICATIONS

#### Kit Includes

- (4) VPG Celtron® SQB load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) Surefoot® high-accuracy stainless steel support feet
- 20 ft (6.1 m) EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

## Order Information

LOAD CELL/BASE CAPACITY		PART #	PRICE
<b>Kit Includes VPG Celtron SQB Load Cells</b>			
1,000 lb for 2,000 lb base	(453.6 kg for 907.2 kg base)	26436	\$895.00
2,500 lb for 5,000 lb base	(1,134.0 kg for 2,268.0 kg base)	26437	895.00
4,000 lb for 10,000 lb base	(1,814.4 kg for 4,535.9 kg base)	26438	895.00



## Alloy Steel NTEP Certified Load Cells

### HIGH-PRECISION APPLICATIONS

#### Kit Includes

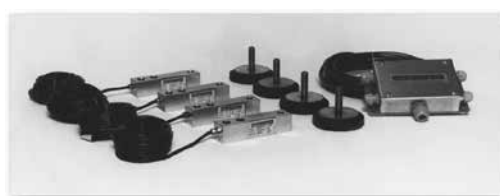
- (4) RL35023 alloy steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) Surefoot high-accuracy stainless steel support feet
- 20 ft (6.1 m) EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

NOTES: For complete load cell specifications, see RL35023 on page 129.

The use of NTEP Certified load cells in a scale base does not constitute approval of the completed base. Consult with local or state jurisdiction for compliance requirements.

## Order Information

LOAD CELL/BASE CAPACITY (PER MODULE)		PART #	PRICE
<b>Kit Includes RL35023 Alloy Steel NTEP Certified Load Cells</b>			
1,000 lb for 2,000 lb base	(453.6 kg for 907.2 kg base)	19032	\$975.00
2,500 lb for 5,000 lb base	(1,134.0 kg for 2,268.0 kg base)	19033	975.00
4000 b for 10,000 b base	(1,814.4 kg for 4,535.9 kg base)	19034	975.00



## Stainless Steel Load Cells

### CHEMICAL, DRY CORROSIVE & NON-WASHDOWN APPLICATIONS

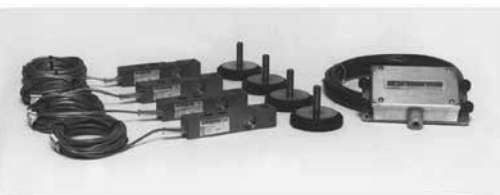
#### Kit Includes

- (4) VPG Celtron SQB-HSS stainless steel load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) Surefoot high-accuracy stainless steel support feet
- 20 ft (6.1 m) EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

NOTE: For complete load cell specifications, see SQB-HSS on page 199

## Order Information

LOAD CELL/BASE CAPACITY		PART #	PRICE
<b>Kit Includes VPG Celtron SQB-HSS Stainless Steel Load Cells</b>			
1,000 lb for 2,000 lb base	(453.6 kg for 907.2 kg base)	19035	\$1,275.00
2,500 lb for 5,000 lb base	(1,134.0 kg for 2,268.0 kg base)	19036	1,275.00
4,000 lb for 10,000 lb base	(1,814.4 kg for 4,535.9 kg base)	19037	1,275.00



## Welded Seal Stainless Steel Load Cells

### WET CORROSIVE APPLICATIONS

#### Kit Includes

- (4) RL35083 welded-seal stainless steel load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) Surefoot high-accuracy stainless steel support feet
- 20 ft/6.1 m EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

NOTE: For complete load cell specifications, see RL35083 on page 131

## Order Information

LOAD CELL/BASE CAPACITY (PER MODULE)		PART #	PRICE
<b>Kit Includes RL35083 Welded-Seal Load Cells</b>			
1,000 lb for 2,000 lb base	(453.6 kg for 907.2 kg base)	19038	\$1,595.00
2,500 lb for 5,000 lb base	(1,134.0 kg for 2,268.0 kg base)	19039	1,595.00
4,000 lb for 10,000 lb base	(1,814.4 kg for 4,535.9 kg base)	19040	1,595.00

Scale Underdeck kits are provided to meet the application needs of the electronic floor scale producer and are an easy source for rebuilding existing floor scales. Underdeck kits are provided with mounting plates and load cell bolts for easy installation.

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Table of Contents

## S-BEAMS

Page 119

### RL20000, Alloy Steel



Ideally suited for scale conversions and general-purpose weighing. Compact and rugged design. Capacities range from 25 lb to 20,000 lb (11.3 kg to 9,071.9 kg). Complete with 20 ft (6.1 m) of load cell cable.



Page 121

### RL20000SS, Stainless Steel



For suspended applications or mechanical scale conversions, this model provides the additional protection of stainless necessary in dry, corrosive environments. Available in capacities ranging from 50 lb to 20,000 lb (22.7 kg to 9,071.9 kg).



Page 123

### RL20000ST, Stainless Steel



For suspended applications or mechanical scale conversions, this model provides the additional protection of stainless necessary in dry, corrosive environments. Available in capacities ranging from 50 lb to 5,000 lb (22.7 kg to 2,268.0 kg).



Page 124

### RL20001, Alloy Steel



Ideally suited for scale conversions, tension applications and general-purpose weighing. Compact and rugged design. Capacities range from 250 lb to 20,000 lb (113.4 kg to 9,071.9 kg). Complete with 20 ft (6.1 m) of load cell cable.



Page 125

### RL20001HE, Stainless Steel



The RL20001HE is a full stainless steel, welded-seal, s-beam available in capacities ranging from 500 lb to 10,000 lb (226.8 kg to 4,535.9 kg). This model is featured in our new ITCM HE products, and is ideal for the harshest tension mounting applications. NTEP Certified in capacities ranging from 500 lb to 5,000 lb.



Page 126

### RLETS, Alloy Steel



Ideally suited for scale conversions and general-purpose weighing. OIML approved and metric envelope capacities ranging from 250 kg to 2,500 kg (551.2 lb to 5,512.5 lb). Complete with 6 m (9.7 ft) of load cell cable.



## SINGLE-ENDED BEAMS

Page 127

### RL30000 Alloy Steel Threaded Hole

































Single-ended beam designed for low-profile scales and process applications. NTEP Certified cells in capacities ranging from 1,000 lb to 10,000 lb (453.6 kg to 4,535.9 kg); Non-NTEP Certified cells in 250 lb, 500 lb, 15,000 lb and 20,000 lb (113.4 kg to 9,071.9 kg) capacities. Complete with 20 ft (6.1 m) of load cell cable.



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## SINGLE-ENDED BEAMS

<b>Page 128</b>	<b>RL30002, Alloy Steel Thru Hole</b>	 <p>Single-ended beam designed for low-profile scales and process applications. NTEP Certified cells in capacities ranging from 1,000lb to 10,000lb (453.6kg to 4,535.9kg); Non-NTEP Certified cells in 250lb, 500lb, 15,000lb and 20,000lb (113.4kg to 9,071.9kg). Complete with 20ft (6.1m) of load cell cable.</p>   
<b>Page 129</b>	<b>RLH35</b>	 <p>The RLH35 is the latest introduction to the popular Rice Lake beam line. The H35 offers all stainless steel construction and integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Capacities range from 500lb to 5,000 lb. Each cell comes with 20ft (6.1 m) or 30ft (9.1 m) of load cell cable.</p>  
<b>Page 130</b>	<b>RL39123, Stainless Steel</b>	 <p>Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities range from 250lb to 15,000lb (113.4kg to 6,803.9kg). Complete with 20ft (6.1 m) of load cell cable.</p>  
<b>Page 131</b>	<b>RL30745, Stainless Steel, Welded Seal</b>	 <p>This stainless steel, welded-seal, single-ended beam provides excellent protection against corrosive and washdown environments. This model is also a direct replacement cell for the Mettler-Toledo® 745 Mount. It is ideally suited for low-profile platforms and vessel weighing. Available in capacities ranging from 500lb to 10,000lb (226.8kg to 4,535.9kg). Complete with 30ft (9.1 m) or 15ft (4.6m) of load cell cable.</p>  
<b>Page 132</b>	<b>RLBLC, Stainless Steel</b>	 <p>Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities range from 1,000lb to 4,000lb (1,134.0kg to 1,714.4kg) with 10ft (3.1 m) of load cell cable; 5,000lb to 10,000lb (2,268.0kg to 4,535.9kg) with 20ft (6.1 m) of load cell cable.</p>
<b>Page 133</b>	<b>RL35023, Alloy Steel</b>	 <p>Single-ended beam designed for low-profile scales and a variety of process applications. NTEP Certified capacities range from 1,000lb to 10,000lb (453.6kg to 4,535.9kg); Non-NTEP Certified cells in 500lb, 15,000lb and 20,000lb (226.8kg to 9,071.9kg). Complete with 20ft (6.1 m) of load cell cable.</p>   
<b>Page 134</b>	<b>RL35023S, Stainless Steel</b>	 <p>Single-ended beam offers stainless steel construction for corrosion resistance. Designed for low-profile scales and a variety of process applications. Capacities range from 1,000lb to 10,000lb (453.6kg to 4,535.9kg). Complete with 20ft (6.1 m) of load cell cable.</p>   
<b>Page 135</b>	<b>RL35083, Stainless Steel</b>	 <p>Model RL35083 stainless steel, welded-seal, single-ended beam is a precision load cell offering exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the RL35083 is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000lb to 10,000lb (453.6kg to 4,535.9kg). Complete with 20ft (6.1 m) of load cell cable.</p>  
<b>Page 136</b>	<b>RL35082, Stainless Steel</b>	 <p>Model RL35082 stainless steel, welded-seal, single-ended beam is a precision load cell offering exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the RL35082 is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000lb to 10,000lb (453.6kg to 4,535.9kg). Complete with 20ft (6.1 m) of load cell cable.</p>    



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## SINGLE-ENDED BEAMS

Page 137

### RLSTB, Alloy Steel



Single-ended beam designed for low-profile scales and process applications. OIML approved and metric envelope capacities range from 1,000 kg to 5,000 kg (1,102.3 lb to 11,023.1 lb). Complete with 19.7 ft (6 m) of load cell cable.



Page 138

### RLHTO, Stainless Steel



The industry's only 6000 division OIML-approved single-ended beam. Low profile and hermetic sealing combined with high accuracy makes the RLHTO ideally suited for low-profile platforms, pallet truck weighers, tanks and silos. Hermetically sealed and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities range from 500 kg to 5,000 kg (1,102.3 lb to 11,023.1 lb). Complete with 16.4 ft (5 m) of load cell cable.



Page 139

### RLSSB, Stainless Steel



Rugged and precise single-ended beam offers welded-seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. Capacities range from 1,000 lb to 10,000 lb (453.6 kg to 4,535.9 kg). Complete with 15 ft (4.5 m) of load cell cable.



Page 140

### RLSB250/RLSB250T, Stainless Steel



Interchangeable with Cardinal® SB2500. Stainless steel construction with welded seal. NTEP Certified capacity of 2,500 lb (1,134.0 kg) available. Complete with 10 ft (3.1 m) of load cell cable.



Page 141

### RLSB2L Alloy Steel



Single-ended beam designed as a replacement for Masstron® cells, the RLSB2L series provides a cost-effective alternative. The series features a unique patented blind load hole to increase system accuracy. 35,000 lb and 45,000 lb are epoxy-coated alloy steel. 35,000 lb to 45,000 lb (15,875.7 kg to 20,411.9 kg) capacities complete with 30 ft (9.2 m) of load cell cable.

Page 142

### RL50210, Alloy Steel



Designed for tension-or compression-loading applications. Capacities range from 25 lb to 500 lb (11.3 kg to 226.8 kg). Complete with 20 ft (6.1 m) of load cell cable.



Page 143

### RL50210SS, Stainless Steel



Designed for tension or compression applications. Capacities range from 25 lb to 500 lb (11.3 kg to 226.8 kg). Complete with 20 ft (6.1 m) of load cell cable. Stainless steel protected by a stainless sleeve over the gauge area.

Page 144

### RL60040SST, Stainless Steel



Designed for tension-or compression-loading applications. Capacities range from 25 lb to 500 lb (11.3 kg to 226.8 kg). Complete with 20 ft (6.1 m) of load cell cable. Stainless steel construction.

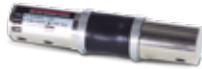


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## SINGLE-ENDED BEAMS

Page 145

### RL40BBS, Alloy Steel



Designed for precision force and weight measurement. Capacities range from 50 lb to 2,500 lb (22.7 kg to 1,134.0 kg). Complete with 10 ft (3.1 m) of load cell cable.



Page 146

### RLHBB, Stainless Steel



Stainless steel construction, hermetic sealing and polyurethane shielded cable enable the RLHBB to function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electromechanical conversions and general-purpose weighing applications. OIML C3-certified capacities range from 11.0 lb to 1102.3 lb (5 kg to 500 kg). Complete with 10 ft (3.1 m) of load cell cable.



Page 147

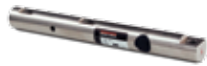
### RL32011WB-L, Stainless Steel



The Legal for Trade RL32011WB-L is our direct link-style replacement for the Avery Weigh-Tronix® Weigh Bar®, improved upon with stainless steel construction and IP67 rating for a variety of floor scale, mount assembly and truck scale designs. Standard capacities range from 1,250 lb to 50,000 lb.

Page 148

### RL32011WB-T, Stainless Steel



Legal for Trade and FM approved, the RL32011WB-T, used in many floor scales models, is a direct replacement for the threaded style Avery Weigh-Tronix Weigh-Bar®, with improved stainless steel construction and a potted, IP67 housing. Available in 1,250 lb or 2,500 lb capacities.



## DOUBLE-ENDED BEAMS

Page 149

### RL70000, Alloy Steel



Double-ended beam with center loading. Designed for truck, tank and hopper applications. Capacities range from 5,000 lb to 250,000 lb (2,268.0 kg to 113,400 kg). Complete with 30 ft (9.2 m) of load cell cable.



Page 150

### RL70000SS, Stainless Steel



Stainless steel double-ended beam load cell designed for truck, track, and process weighing. High accuracy, low profile, and tolerances to non-axial loading and redundant seal. Capacities range from 5,000 lb to 150,000 lb (2,268.0 kg to 68,038.9 kg). Complete with 30 ft (9.2 m) of load cell cable.



Page 151

### RL71000HE, Stainless Steel



This hermetically sealed stainless steel double-ended beam is an ideal replacement for the RL70000SS or RTI 9103 where moisture is a concern. Although this design is square instead of round, these cells will fit into the popular EZ Mount 1. Capacities range from 5,000 lb to 60,000 lb (2,268.0 kg to 27,216.0 kg). Complete with 25 ft (7.6 m) of load cell cable.



Page 152

### RL72010MH, Stainless Steel



Brand new to Rice Lake, the hermetically-sealed, stainless steel RL72010MH double-ended beam is an ideal replacement for the RL71000HE and RL70000SS when moisture is a concern. The RL72010MH pairs nicely with the popular EZ Mount 1 and is also a suitable replacement to other manufacturers' models. Available in capacities ranging from 5,000 lb to 60,000 lb (2,268.0 kg to 27,216.0 kg). Complete with 25 ft (7.6 m) of load cell cable.

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## DOUBLE-ENDED BEAMS

Page 153

### RL72015HE, Stainless Steel



This stainless steel load cell has welded covers for added protection in environments where moisture may be present. Capacities range from 5,000lb to 60,000lb (2,268.0kg to 22,716.0kg).



Page 154

### RL75016, Alloy Steel



Double-ended beam with center loading. Designed for tank and hopper applications. Capacities range from 1,000lb to 75,000lb (453.6kg to 34,019.4kg). Complete with 25 ft (7.6m) of load cell cable.



Page 155

### RL75016SS, Stainless Steel



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel provides protection against corrosive materials. Capacities range from 1,000lb to 75,000lb (453.6kg to 34,019.4kg). Complete with 25 ft (7.6m) of load cell cable.



Page 156

### RL75016SS-W, Stainless Steel



A double-ended, stainless steel load cell designed for tank and hopper applications. Capacities range from 1,000lb to 50,000lb (453.6kg to 22,769.6kg).



Page 157

### RL75016WHE, Stainless Steel



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel construction and hermetic sealing provide protection in hostile environments. Capacities range from 1,000lb to 25,000lb (453.6kg to 11,339.8kg). Complete with 25 ft (7.6m) of load cell cable.



Page 158

### RL75058, Alloy Steel



Nickel plated and environmentally sealed with stainless steel side plates. Designed for center link loading and compatibility with the Unilink or similar suspension systems up to 75,000lb (34,019.4kg). Capacities range from 10,000lb to 125,000lb (4,536.0kg to 56,699.1kg). Complete with 35 ft (7.6m) of load cell cable. Models with 60ft or 100ft of load cell cable are available as well.



Page 159

### RL75060S, Stainless Steel



With a welded-seal and NTEP Certification to 10,000 divisions, the RL75060S provides the ultimate in durability and accuracy in high-capacity process measurement and control. It is also ideal for vehicle weighing in hostile environments. Capacities range from 20,000lb to 100,000lb (9,071.9kg to 45,359.4kg). Complete with 35 ft (6.1m) of load cell cable.



Page 160

### RL75223, Alloy Steel



Very high performance end-loaded, center-supported shear beam designed for low-profile truck and track scales in harsh environments. Welded seal provides superior protection. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Compatible with Translink Mounts. Capacities range from 50,000lb to 100,000lb (22,679.6kg to 45,359.2kg). Complete with 40 ft (12.2m) of load cell cable.



Page 161

### RLDB50000S-50K, Stainless Steel



The RLDB50000S is a stainless steel, welded-seal load cell designed as an interchangeable load cell for the Cardinal® DB50000S. It is NTEP Certified for 10,000 divisions and has 35 ft of cable standard.



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## DOUBLE-ENDED BEAMS

Page 162

**RL75040, Alloy Steel**



Double-ended beam load cell. Nickel plated and environmentally sealed with stainless steel plates. Designed for center mounting and double link loading, compatible with Unilink/Translink suspension up to 75,000 lb (34,019.4 kg). Capacities range from 25,000 lb to 125,000 lb (11,339.8 kg to 56,699.1 kg). Complete with 35 ft (10.6 m) of load cell cable. Optional 50 ft (15.3 m) cable with 50,000 lb and 60,000 lb (22,679.6 kg and 27,215.5 kg) capacity load cells.



## COMPRESSION CANISTERS

Page 163

**RLCSP1, Stainless Steel**



Welded-seal, stainless steel canister cell designed for vehicle and process applications. High capacity load cell is built for reliability, durability and extreme precision. RLCSP1 cells are ideal for applications where optimum precision and durability are needed. Capacities range from 25,000 lb to 200,000 lb (11,339.8 kg to 90,718.5 kg). Complete with 30 ft (9.2 m) of load cell cable.



Page 164

**RLSCA Rocker Column, Stainless Steel**



The new Rice Lake Weighing Systems RLSCA load cell is designed to be a replacement for Cardinal® SCA products. It features all stainless construction and welded sealing to provide IP67 environmental protection. This package includes a load cell and two retrofit cups that allow the RLSCA to match up with various field applications. Backed by NTEP III 10 M Certification, this unit provides an easy-to-install and easy-to-access alternative to similar products on the market. Available in a 50,000 lb package, the RLSCA includes 30 ft (9.2 m) of standard load cell cable.



Page 165

**RL75010-30t/RL80453-100,000 lb, Rocker Cell, Stainless Steel**



The new RL75010 and RL80453 rocker cells are replacements for the Fairbanks® 75010 and 80453 rocker cells found in many truck scales. They are stainless and hermetically sealed.



Page 166

**RL75114-50K, Stainless Steel**



The RL75114 is a stainless steel hermetically sealed rocker column designed to interchange with the Fairbanks part number 64166. It has 30 ft of over-braid cable to protect it from abrasion and rodents. NTEP Certified.



Page 167

**RL8C2P1SS, Stainless Steel**

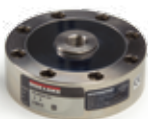


Single-column design with low deflection, hermetically sealed for trouble-free operation. Stainless steel for use in harsh environments. Compact and rugged. Capacities range from 50,000 lb to 200,000 lb (22,679.6 kg to 90,718.5 kg). Complete with 35 ft (10.6 m) of load cell cable.



Page 168

**RL90000, Alloy Steel**



Environmentally sealed low-profile compression disk. Models with capacities of 5,000 lb and 10,000 lb can also be used in tension loading applications. Shear web design provides excellent performance and its low-profile feature makes it ideal for applications where height is critical. Capacities range from 5,000 lb to 100,000 lb (2268.0 kg to 45,359.4 kg). Complete with 20 ft (6.1 m) of load cell cable.



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## SINGLE POINTS

Page 169

### RLPC6, Stainless Steel



The RLPC6 is a stainless steel, hermetically sealed single point load cell. Can be used in any application where moisture is a problem. The RLPC6 is NTEP Certified and is provided with 10 ft of cable. Capacity ranges are 50 kg to 200 kg.



Page 170

### RLPWM15HE, Stainless Steel



The RLPWM15HE is the latest in a line of hermetically sealed stainless steel single points offered by Rice Lake. The unique sealing techniques employed provide the RLPWM15HE with true hermetic sealing to IP69K. Available in capacities ranging from 10 kg to 100 kg. NTEP Certified and comes complete with 10 ft of load cell cable.



Page 171

### RLPWM15, Stainless Steel



The environmentally sealed RLPWM15 replaces HBM's PW15 for many bench scale types. This stainless steel model with both NTEP Certification and FM approval comes in a range of capacities from 10 kg to 150 kg. Complete with 10 ft of load cell cable.



Page 172

### RLPCBC-60, Stainless Steel



The RLPCBC-60 is a stainless steel hermetically sealed single point load cell. Can be used in applications where moisture is a problem. It is NTEP Certified and comes complete with 10 ft of load cell cable. Capacity ranges are 50 kg to 1,000 kg.



Page 173

### RL1521A, Aluminum



The RL1521A is a very low-profile single-point load cell designed for electronic bench scales and platform scales where only one load cell is used. Intended as a replacement for the VPG BLH and NMB® C2G1, capacities range from 3 kg to 35 kg (6.6 lb to 77.2 lb). Complete with 17.8 in (450 mm) of load cell cable.



Page 174

### RL1010, Aluminum, Potted/Unpotted



Off-center loading load cell. Designed for direct mounting of the weighing platform and simplifying construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Potted models in capacities ranging from 7 kg to 90 kg (15.4 lb to 198.4 lb) with 10 ft (3.1 m) of load cell cable; unpotted models in capacities of 3 kg and 5 kg (6.6 lb and 11.0 lb) with 3 ft (.9 m) of load cell cable. NTEP Certified from 10 kg to 50 kg.



Page 175

### RLSP4, Aluminum



The RLSP4 is a low profile, off-center load cell designed for use in retail, postal and platform scale applications. This high accuracy single point is manufactured from aluminum, and is moment compensated for guaranteed accuracy. The product is protected by a quality gauge coating compound that provides a barrier against high humidity environments. This product is available in capacities ranging from 15.4 lb to 220.5 lb (7 kg to 100 kg), and comes standard with 3.3 ft (1 m) of load cell cable.



Page 176

### RLPWM12, Aluminum



A new aluminum, single point load cell from Rice Lake Weighing Systems. With capacities ranging from 50 kg to 1,000 kg, this load cell is NTEP Certified. The RLPWM12 is ideal for platform, hanging scales and other low-capacity beam applications. Complete with 10 ft (3.1 m) of load cell cable.





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## SINGLE POINTS

<b>Page 177</b>	<b>RLPWM16, Aluminum</b>	
	A new single point, aluminum load cell from Rice Lake Weighing Systems. With capacities ranging from 50kg to 635kg, this load cell has a potted cavity and offers excellent performance in damp environments. Complete with 10 ft (3.1 m) of load cell cable.	  
<b>Page 178</b>	<b>RL1042, Aluminum</b>	
	A low-profile single point for platform weighing, this model is constructed of aluminum, and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. The unit is available in capacities ranging from 2.2lb to 220.5lb (1 kg to 100kg). Complete with 10ft (3.1 m) of load cell cable.	  
<b>Page 179</b>	<b>RL1040, Aluminum, Potted and Unpotted</b>	
	Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Potted cavities provide improved performance in damp environments. NTEP Certified capacities range from 15.4lb to 220.5lb (7 kg to 100kg); non-NTEP Certified capacities of 6.6lb and 11 lb (3kg and 5kg). Complete with 10ft (3.1 m) of load cell cable.	  
<b>Page 1780</b>	<b>RL1140, Stainless Steel</b>	
	This single-point cell is constructed of stainless steel and designed to perform in harsh, high shock-load environments. These features make the RL1380 ideal for platform scales and packaging and process weighing equipment. Capacities range from 15.4lb to 132.3lb (7 kg to 60kg). Complete with 10 ft (3.1 m) of load cell cable.	 
<b>Page 181</b>	<b>RL1380, Stainless Steel</b>	
	This single-point cell is constructed of stainless steel, and is designed for high performance in harsh environments. These features provide an excellent option when stainless steel is required for an application. The RL1385 is available in capacities ranging from 13.2lb to 441.0lb (6kg to 200kg). Complete with 10ft (3.1 m) of load cell cable.	 
<b>Page 182</b>	<b>RL1385, Stainless Steel</b>	
	Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales and other low-capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provides long-term stability, even in harsh environments. Potted cavities provide improved performance in damp environments. Capacities range from 33.1lb to 330.7lb (15kg to 150kg). Complete with 10ft (3.1 m) of load cell cable.	 
<b>Page 183</b>	<b>RL1260, Aluminum</b>	
	High-capacity, off-center-loading aluminium load cell. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities range from 110.2lb to 1,400.0lb (50 kg to 635 kg). Complete with 10ft (3.1 m) of load cell cable.	  
<b>Page 184</b>	<b>RL1250, Potted, Aluminum</b>	
	High-capacity, off-center-loading load cell accurately weighs loads from 110.2lb to 2,204.6lb (50kg to 1,000kg). Long-term stability and durability are maintained. These load cells with potted cavities offer excellent performance in damp environments.	  



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### SINGLE POINTS

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Page 185	RLFLS, Stainless Steel
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Interchangeable with the Avery Weigh-Tronix® FLS, Rice Lake's single-point RLFLS is a solid choice for many bench scale applications. The potted RLFLS is stainless steel and rated at IP67, available in a range of capacities from 50 lb to 625 lb.

### PLANAR BEAMS

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Page 186	RLBLP, Aluminum
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Very low profile aluminum sensor that can be used in bench scales in low profile floor scales. Available in capacities ranging from 15kg to 150kg.

### TENSION LINK

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Page 187	RL2010 Tension link
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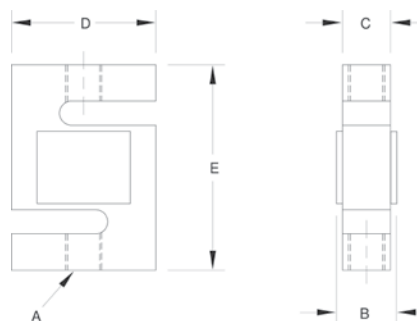
The RL2010 is a new tension link load cell for Rice Lake Weighing Systems. The capacity range of 5,000 lb to 500,000 lb proves to be the perfect choice for those unique tension applications. It is constructed of stainless steel for years of trouble free service.

# RL20000

S-Beam, Alloy Steel, NTEP Certified 1:5000 III/1:10,000 IIIL



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 5) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02%

### Insulation Resistance:

5,000 megohms

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
25-300	1/4-28 UNF-2B	0.75	0.50	2.00	2.50
500-1,500	1/2-20 UNF-2B	1.00	0.75	2.00	2.50
2,000-2,500	1/2-20 UNF-2B	1.25	1.00	2.00	2.50
3,000	1/2-20 UNF-2B	1.25	1.00	3.00	4.00
5,000-10,000	3/4-16 UNF-2B	1.25	1.00	3.00	4.00
15,000	1-12 UNF-2B	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.25	2.00	5.00	7.00
<b>kg/mm</b>					
11.3-136.1	1/4-28 UNF-2B	19.1	12.7	50.8	63.5
226.8-680.4	1/2-20 UNF-2B	25.4	19.1	50.8	63.5
907.2-1,134.0	1/2-20 UNF-2B	31.8	25.4	50.8	63.5
1,360.8	1/2-20 UNF-2B	31.8	25.4	76.2	101.6
2,268.0-4,535.9	3/4-16 UNF-2B	31.8	25.4	76.2	101.6
6,803.9	1-12 UNF-2B	38.1	31.8	101.6	139.7
9,071.9	1 1/4-12 UNF-2B	57.2	50.8	127.0	177.8

## RL20000

S-Beam, Alloy Steel, NTEP Certified 1:5000 III/1:10,000 IIIL

### Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
25 lb	(11.3 kg)	21428	2 lb	\$275.00
50 lb	(22.7 kg)	21429	2 lb	275.00
75 lb	(34.0 kg)	21430	2 lb	275.00
100 lb	(45.4 kg)	21431	2 lb	275.00
150 lb	(68.0 kg)	21432	2 lb	275.00
200 lb	(90.7 kg)	21433	2 lb	275.00
250 lb	(113.4 kg)	21434	2 lb	275.00
300 lb	(136.1 kg)	21435	2 lb	275.00
500 lb	(226.8 kg)	21436	2 lb	275.00
750 lb	(340.2 kg)	21437	2 lb	275.00
1,000 lb	(453.6 kg)	21438	2 lb	275.00
1,500 lb	(680.4 kg)	21439	2 lb	275.00
2,000 lb***	35 ft cable	21356	2 lb	338.00
2,000 lb	(907.2 kg)	21440	2 lb	275.00
2,500 lb	(1,134.0 kg)	21441	2 lb	275.00
3,000 lb	(1,360.8 kg)	21442	4 lb	315.00
5,000 lb***	30 ft cable	17044	4 lb	476.00
5,000 lb	(2,268.0 kg)	21443	4 lb	440.00
10,000 lb	(4,535.9 kg)	21444	4 lb	440.00
15,000 lb	(6,803.9 kg)	21445	7 lb	555.00
20,000 lb***	30 ft cable	17045	17 lb	937.00
20,000 lb	(9,071.9 kg)	21446	17 lb	875.00
<b>Conduit Adapter Kit*(must be factory installed to maintain warranty)</b>				
3/8-24 nipple		31533*	1 lb	30.00
3/8-24 to 1/4-18 NPT		31534*	1 lb	30.00
<b>Replacement Agriculture Scale Load Cell - 40 ft Cable</b>				
10,000 lb	(4,535.9 kg)	151746	5 lb	465.00

\*PN 1533 and PN 31534 must be installed together to form the Conduit Adapter Kit

\*\*\*These load cells have 30 ft of cable and trimmed outputs and are used in many batch plants

### Interchangeable Products

MANUFACTURER	MODEL
Artech®	20210**

\*\*15,000 lb thread is 1-14 UNF

### Weigh Module Available

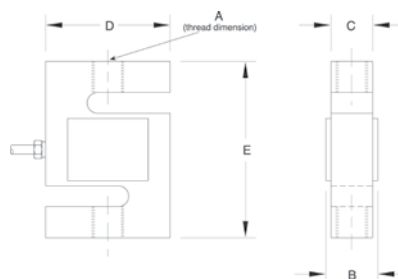
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# RL20000SS

S-Beam, Stainless Steel, NTEP Certified 1:10,000 Class IIIL Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 (± 0.008) mV/V

### Output Resistance:

350 (± 3.5) ohms

### Input Resistance:

390 (± 15) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Cable Length:

20 ft (6.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
50-250	1/4-28 UNF-2B	0.65	0.46	2.00	2.40
500-1,000	1/2-20 UNF-2B	0.90	0.71	2.00	2.40
2,500	1/2-20 UNF-2B	1.15	0.96	2.00	2.40
3,000	1/2-20 UNF-2B	1.15	0.96	3.00	3.90
5,000	3/4-16 UNF-2B	1.15	0.96	3.00	3.90
10,000	3/4-16 UNF-2B	1.40	1.21	3.00	3.90
15,000	1-14 UNS-2B	1.63	1.46	3.44	5.50
20,000	1 1/4-12 UNF-2B	1.88	1.68	4.44	7.00
<b>kg/mm</b>					
22.7-113.4	1/4-28 UNF-2B	16.5	11.7	50.8	61.0
226.8-453.6	1/2-20 UNF-2B	22.9	18.0	50.8	61.0
1134.0	1/2-20 UNF-2B	29.2	24.4	50.8	61.0
1360.8	1/2-20 UNF-2B	29.2	24.4	76.2	99.1
2268.0	3/4-16 UNF-2B	29.2	24.4	76.2	99.1
4535.9	3/4-16 UNF-2B	35.7	30.7	76.2	99.1
15,000	1-14 UNS-2B	41.4	37.1	87.4	139.7
20,000	1 1/4-12 UNF-2B	47.8	42.8	112.8	177.8

## RL20000SS

Stainless Steel, NTEP Certified 1:10,000 Class III L Single Cell

### Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>RL20000SS NTEP Certified</b>				
100 lb	(45.4 kg)	46511	2 lb	\$295.00
250 lb	(113.4 kg)	46503	2 lb	295.00
500 lb	(226.8 kg)	46504	2 lb	295.00
750 lb	(340.2 kg)	46505	2 lb	295.00
1,000 lb	(453.6 kg)	46506	2 lb	295.00
2,500 lb	(1,134.0 kg)	46507	2 lb	295.00
3,000 lb	(1,360.8 kg)	46508	4 lb	325.00
5,000 lb	(2,268.0 kg)	46509	4 lb	475.00
10,000 lb	(4,535.9 kg)	46510	4 lb	495.00
<b>RL20000SS NON-NTEP Certified</b>				
50 lb	(22.9 kg)	17013	2 lb	295.00
15,000 lb	(6,804.0 kg)	158375	7 lb	675.00
20,000 lb	(9,072.0 kg)	158376	13 lb	895.00
<b>Conduit Adapter Kit*(must be factory installed to maintain warranty)</b>				
3/8-24 nipple		31533*	1 lb	30.00
3/8-24 to 1/4-18 NPT		31534*	1 lb	30.00

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Revere®	9363	270
Artech®	SS20210	—

### Weigh Module Available

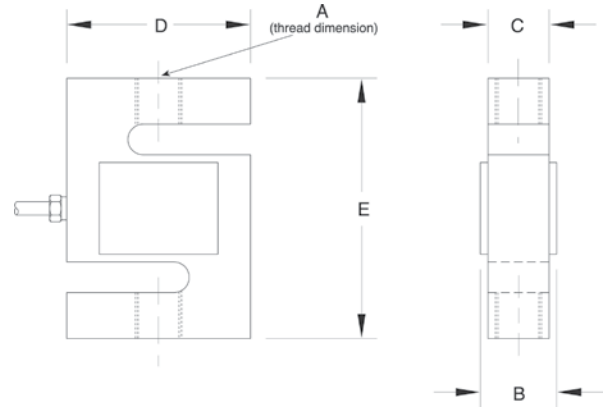
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# RL20000ST

S-Beam, Stainless Steel, NTEP Certified 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
350 (±3.5) ohms

**Input Resistance:**  
430 (± 60) ohms

**Material/Finish:**  
Stainless steel

**Seal Type:**  
Environmentally sealed, IP67

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Temperature:**

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.190 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
50-300	1/4-28 UNF-2B	0.65	0.46	2.00	2.40
500-1,000	1/2-20 UNF-2B	0.90	0.71	2.00	2.40
1,500-2,500	1/2-20 UNF-2B	1.15	.96	2.00	2.40
3,000	1/2-20 UNF-2B	1.15	.96	3.00	3.90
10,000	3/4-16 UNF-2B	1.15	.96	3.00	3.90
<b>kg/mm</b>					
22.7-45.4	1/4-28 UNF-2B	16.5	11.7	50.8	60.9
340.2-453.6	1/2-20 UNF-2B	22.9	18.0	50.8	60.9
680.4-1,134	1/2-20 UNF-2B	29.2	24.4	50.8	60.9
1,360.8	1/2-20 UNF-2B	29.2	24.4	76.2	99.1
2,268.0	3/4-16 UNF-2B	29.2	24.4	76.2	99.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 lb (22.9 kg)	72741	2 lb	\$295.00
100 lb (45.4 kg)	72742	2 lb	295.00
200 lb (90.72 kg)	72743	2 lb	295.00
250 lb (113.4 kg)	72744	2 lb	295.00
300 lb (136.1 kg)	72745	2 lb	295.00
500 lb (226.8 kg)	72746	2 lb	295.00
750 lb (340.2 kg)	72747	2 lb	295.00
1,000 lb (453.6 kg)	72748	2 lb	295.00
1,500 lb (680.4 kg)	72749	2 lb	295.00
2,000 lb (907.2 kg)	72750	2 lb	295.00
2,500 lb (1,134.0 kg)	72751	2 lb	295.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3,000 lb (1,360.8 kg)	72752	4 lb	\$395.00
5,000 lb (2,268.0 kg)	72753	4 lb	495.00
10,000 lb** (4,535.9 kg)	72754		695.00
15,000 lb** (6,804.0 kg)	72755		995.00
20,000 lb** (9,072.0 kg)	72756		1,295.00
<b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b>			
3/8-24 nipple	31533*	1 lb	30.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	30.00

\*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit.

\*\* Limited quantities available

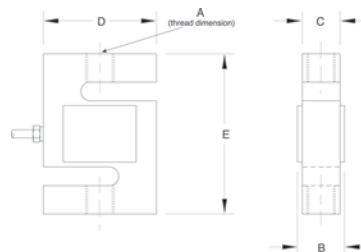


# RL20001

S-Beam, Alloy Steel, NTEP Certified Single Cell, IP67 1:5000 III/1:10,000 IIIL



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0mV/V

**Output Resistance:**

350 (± 3) ohms

**Input Resistance:**

385 (± 5) ohms

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

**Seal Type:**

Environmentally sealed, IP67

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 V AC/DC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

200 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
250	3/8-24 UNF-2B	0.75	0.50	2.00	3.00
500-2,000	1/2-20 UNF-2B	1.00	0.75	2.00	3.00
2,500-3,000	1/2-20 UNF-2B	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF-2B	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF-2B	1.25	1.00	3.50	4.75
15,000	1-14 UNF-2B	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.25	2.00	5.00	7.00
<b>kg/mm</b>					
113.4	3/8-24 UNF-2B	19.1	12.7	50.8	76.2
226.8-907.2	1/2-20 UNF-2B	25.4	19.1	50.8	76.2
1,134.0-1,360.8	1/2-20 UNF-2B	31.8	25.4	50.8	76.2
2,268.0	3/4-16 UNF-2B	31.8	25.4	76.2	108.8
4,535.9	3/4-16 UNF-2B	31.8	25.4	88.9	120.7
6,803.9	1-14 UNF-2B	38.1	31.8	101.6	139.7
9,071.9	1 1/4-12 UNF-2B	57.2	50.8	127.0	177.8

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
250 lb	(113.4 kg)	21402	2 lb	\$275.00
500 lb	(226.8 kg)	21403	2 lb	275.00
750 lb	(340.2 kg)	21404	2 lb	275.00
1,000 lb	(453.6 kg)	21405	2 lb	275.00
1,500 lb	(680.4 kg)	21406	2 lb	275.00
2,000 lb	(907.2 kg)	21407	3 lb	275.00
2,500 lb	(1,134.0 kg)	21408	4 lb	275.00
3,000 lb	(1,360.8 kg)	21409	3 lb	315.00
5,000 lb	(2,268.0 kg)	21410	4 lb	440.00
10,000 lb	(4,535.9 kg)	21411	5 lb	440.00
15,000 lb	(6,803.9 kg)	21412	7 lb	555.00
20,000 lb	(9,071.9 kg)	21413	16 lb	875.00
<b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b>				
3/8-24 nipple		31533*	1 lb	30.00
3/8-24 to 1/4-18 NPT		31534*	1 lb	30.00

\*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Celtron®	STC	198
VPG Sentionics®	60001	303

## Weigh Module Available

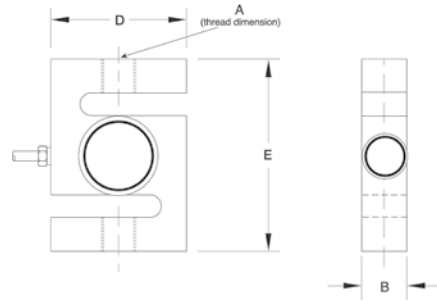
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# RL20001HE

S-Beam, Stainless Steel, NTEP Certified 1:5000 Class III/1:10,000 Class IIIL Single Cell Welded-seal, IP68



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0 mV/V	<b>Temperature:</b> Compensated range 14° F to 104° F/-10° C to 40° C Operating range -40° F to 150° F/-40° C to 65° C	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Bridge Resistance:</b> 350 ohms, nominal		<b>Seal Type:</b> Welded-seal, IP68	<b>Warranty:</b> Two-year limited warranty
<b>Material/Finish:</b> Stainless steel	<b>Nonlinearity:</b> 0.03% full scale	<b>Cable Length:</b> 20 ft (6.1 m)	<b>Approvals:</b>
<b>Safe Overload:</b> 150% full scale	<b>Hysteresis:</b> 0.02% full scale	<b>Cable Diameter:</b> 0.200 polyurethane jacket	FM APPROVED NIP CE
<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)			

## Dimensions

RATED CAPACITY	A	B	D	E
<b>lb/inches</b>				
500-3,000	1/2-20 UNF	1.00	2.00	3.00
5000-10,000	3/4-16 UNF	1.00	3.50	4.75
<b>kg/mm</b>				
453.6-1,360.8	1/2-20	25.4	50.8	76.2
2,268.0-4,535.9	3/4-16	25.4	88.9	120.7

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>RL20001HE NTEP Certified</b>			
500 lb (226.8 kg)	46469	2 lb	\$850.00
750 lb (340.2 kg)	46470	2 lb	850.00
1,000 lb (453.6 kg)	46471	2 lb	850.00
1,500 lb (680.4 kg)	46472	2 lb	850.00
2,000 lb (907.2 kg)	46473	2 lb	850.00
2,500 lb (1,134.0 kg)	46474	2 lb	850.00
3,000 lb (1,360.8 kg)	46475	2 lb	850.00
5,000 lb (2,268.0 kg)	46476	5 lb	1,135.00
<b>RL20001 HE Non-NTEP Certified</b>			
10,000 lb (4,535.9 kg)	36292	5 lb	1,135.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	60063	305

## Weigh Module Available

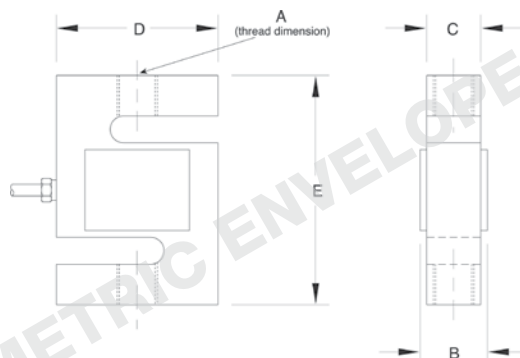
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

## RLETS

S-Beam, Alloy Steel, Environmentally Sealed, OIML C3, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 (± 0.25%) mV/V

### Bridge Resistance:

350 ohms, nominal

### Material/Finish:

Alloy steel

### Temperature:

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

### Seal Type:

Environmentally sealed, IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 V AC/DC (15V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Cable Length:

6 m (19.7 ft)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>kg/mm</b>					
250-1,000	M12 x 1.75-6H	25.4	19.1	50.8	76.0
2,500	M20 x 1.5-6H	31.8	25.4	76.2	108.0
<b>lb/inches</b>					
551.2-2,205.0	M12 x 1.75-6H	1.00	.75	2.00	3.00
5,512.5	M20 x 1.5-6H	1.25	1.00	3.00	4.25

## Order Information

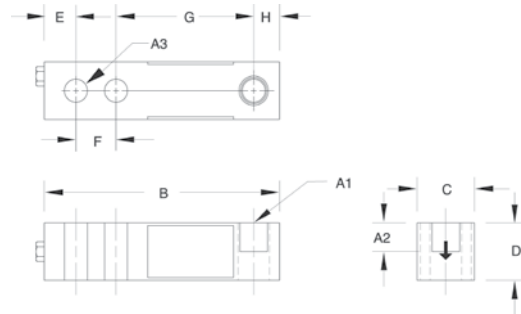
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
250 kg	(551.2 lb)	31254	2 lb	\$295.00
500 kg	(1,102.3 lb)	31255	2 lb	295.00
1,000 kg	(2,205.0 lb)	31256	2 lb	295.00
2,500 kg	(5,512.5 lb)	31257	3 lb	460.00

# RL30000

Single-Ended Beam, Alloy Steel, NTEP Certified 1:5000 IIL Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Temperature:</b> Compensated range 14° F to 104° F/-10° C to 40° C Operating range -40° F to 150° F/-40° C to 65° C	<b>Deflection at Capacity:</b> 250 lb to 1,000 lb=0.013 in (0.33 mm) 2,000 lb to 3,000 lb=0.015 in (0.38 mm) 4,000 lb to 5,000 lb=0.025 in (0.64 mm) 10,000 lb=0.032 in (0.81 mm) 15,000 lb to 20,000 lb=0.038 in (0.97 mm)	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Bridge Resistance:</b> 350 ohms, nominal	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 20 ft (6.1 m)	<b>Warranty:</b> Two-year limited warranty
<b>Material/Finish:</b> High-alloy steel, nickel plated	<b>Nonlinearity:</b> 0.03% full scale	<b>Cable Diameter:</b> 0.200 polyurethane jacket	<b>Approvals:</b> F M APPROVED NTEP CE Except 250 lb, 500 lb and 20,000 lb
<b>Seal Type:</b> Environmentally sealed, IP67	<b>Hysteresis:</b> 0.02% full scale		
<b>Safe Overload:</b> 150% full scale	<b>Insulation Resistance:</b> 5,000 megohms		
<b>Safe Sideload:</b> 100% full scale			

## Dimensions

RATED CAPACITY	A1*	A2†	A3*	B	C	D	E	F	G	H
<b>lb/inches</b>										
250-5,000 SE**	1/2-20 UNF-2B	0.60	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50
5,000 LE***-10,000	3/4-16 UNF-2B	0.75	0.78	6.75	1.50	1.50	0.75	1.50	3.75	0.75
20,000	1-12 UNF-2B	1.00	1.03	8.75	2.00	2.00	1.00	2.00	4.75	1.00
<b>kg/mm</b>										
113.4-2,268 SE**	1/2-20 UNF-2B	15.2	13.5	130.1	31.8	31.8	15.8	25.4	76.2	12.7
2,268.0 LE***-4,535.9	3/4-16 UNF-2B	19.1	19.8	171.5	38.1	38.1	19.1	38.1	95.3	19.1
9,071.9	1-12 UNF-2B	25.4	26.2	222.3	50.8	50.8	25.4	50.8	120.7	25.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>RL30000 NTEP Certified, Threaded-Hole Design</b>			
1,000 lb (453.6 kg)	21491	3 lb	\$295.00
2,000 lb (907.2 kg)	21493	3 lb	295.00
2,500 lb (1134.0 kg)	21495	3 lb	295.00
3,000 lb (1360.8 kg)	21497	3 lb	295.00
4,000 lb (1814.4 kg)	21498	3 lb	295.00
5,000 lb SE** (2268.0 kg)	21500	3 lb	295.00
5000 lb LE*** (2268.0 kg)	21501	5 lb	375.00
10,000 lb (4535.9 kg)	21503	5 lb	375.00
<b>RL30000 Non-NTEP Certified, Threaded-Hole Design</b>			
250 lb (113.4 kg)	17341	3 lb	295.00
500 lb (226.8 kg)	17342	3 lb	295.00
20,000 lb (9071.9 kg)	17109	10 lb	645.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>			
3/8-24 nipple	31533****	1 lb	30.00
3/8-24 to 1/4-18 NPT	31534****	1 lb	30.00

\*Dimension A1 is identical to A3 on the RL30002 thru-Hole model

\*\*SE refers to small envelope

\*\*\*LE refers to large envelope

\*\*\*\*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit.

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Threaded-hole design	—	—
VPG Revere®	5123	273
VPG Tedeo-Huntleigh®	3411	334
Artech®	30310	—

## Weigh Module Available

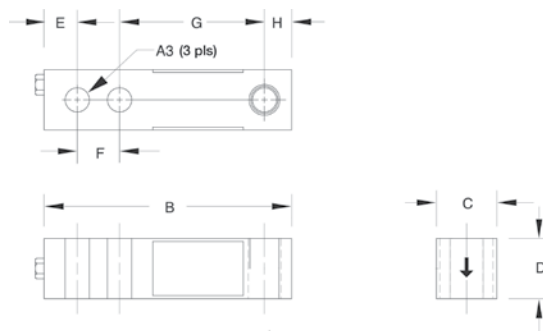
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210 TA	52
Rice Lake Weighing Systems	RL1800 Series	62

## RL30002 Thru Hole

Single-Ended Beam, Alloy Steel, NTEP Certified 1:5000 IIII Class III Multiple Cell, IP67



Picture is a representation of actual product



### Specifications

**Full Scale Output:**  
3.0 mV/V

**Bridge Resistance:**  
350 ohms, nominal

**Material/Finish:**  
High-alloy steel, nickel plated

**Temperature:**  
Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

**Seal Type:**  
Environmentally sealed, IP67

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
1,000 lb=0.013 in (0.33 mm)  
2,000 lb to 3,000 lb=0.015 in (0.38 mm)  
4,000 lb to 5,000 lb=0.025 in (0.64 mm)

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
200 polyurethane jacket

**Cable Color Code:**  
Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
Two-year limited warranty

**Approvals:**



### Dimensions

RATED CAPACITY	A3*	B	C	D	E	F	G	H
<b>lb/inches</b>								
1,000-5,000 SE**	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50
<b>kg/mm</b>								
113.4-2,268.0 SE**	13.5	130.1	31.8	31.8	15.8	25.4	76.2	12.7

### Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>RL30002 NTEP Certified, Thru-Hole Design</b>			
1,000 lb (453.6 kg)	21521	3 lb	\$295.00
2,000 lb (907.2 kg)	21522	3 lb	295.00
2,500 lb (1,134.0 kg)	21523	3 lb	295.00
4,000 lb (1,814.4 kg)	21524	3 lb	295.00
5,000 lb SE* (2,268.0 kg)	21525	3 lb	295.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>			
3/8-24 nipple	31533***	1 lb	30.00
3/8-24 to 1/4-18 NPT	31534***	1 lb	30.00

\* Dimension A1 is identical to A3 on the RL30002 thru-hole model

\*\* SE refers to small envelope

\*\*\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

### Interchangeable Products

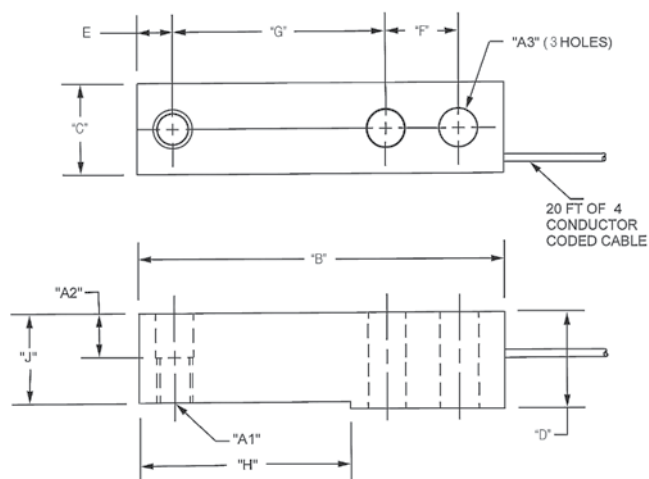
MANUFACTURER	MODEL	PAGE #
Threaded-hole design	—	—
VPG Tedeia-Huntleigh®	3410	—
Artech®	30210	—

# RLH35

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class IIIL Multiple Cell, Welded-seal, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Bridge Resistance:**  
350 ohms, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.17% full scale

**Hysteresis:**  
0.17% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Welded-seal, IP67

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.190 polyurethane jacket

**Deflection at Capacity:**  
500 lb to 5,000 lb=0.02 in  
(0.508 mm)

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow .....Shield

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A1	A2	A3	C	D	B	E	F	G	H
<b>lb/inches</b>										
500-5,000	1/2-20 UNF-2B	0.62	0.53	1.21	1.19	5.12	0.50	1.00	3.00	2.85
<b>kg/mm</b>										
453.6-2,268.0	1/2-20 UNF-2B	15.8	13.5	30.7	30.2	130.05	12.7	25.4	76.2	72.4

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
500 lb	(226.8 kg)	106038	4 lb	\$385.00
1,000 lb	(453.6 kg)	106039	4 lb	385.00
2,500 lb	(1,134.0 kg)	106040	4 lb	385.00
4,000 lb	(1,814.4 kg)	106041	4 lb	385.00
5,000 lb	(2,268.0 kg)	106042	5 lb	385.00

## Interchangeable products

MANUFACTURER	PART #	PAGE #
<b>Mettler Toledo®</b>		
500 lb-8 ft cable	TB601019-008	-
1,000 lb-20 ft cable	TB601016-020	-
2,500 lb-8 ft cable	TB601016-008	-
4,000 lb-20 ft cable	TB601017-020	-
5,000 lb-8 ft cable	TB601018-008	-
<b>HBM®</b>		
HBM	H35	244

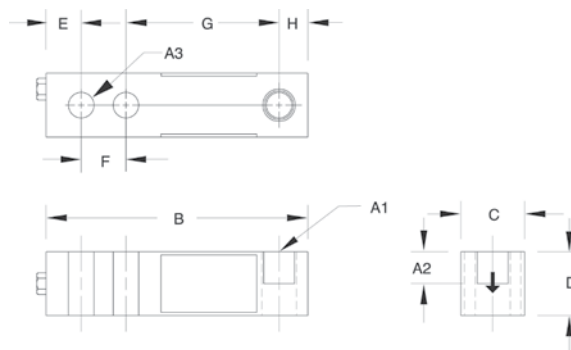


# RL39123

Single-Ended Beam, Stainless Steel



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

343-357 ohms

**Material/Finish:**

Stainless steel

**Temperature:**Operating range  
-40°F to 150°F / -40°C to 65°C**Seal Type:**

Environmentally sealed

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

250 lb-1,000 lb=0.013 in (0.33 mm)  
 2,000 lb-3,000 lb=0.015 in (0.38 mm)  
 4,000 lb-5,000 lb=0.025 in (0.64 mm)  
 10,000 lb=0.32 in (0.81 mm)  
 15,000 lb-20,000 lb=0.038 in (0.97 mm)

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
 Black .....- Excitation  
 Green .....+ Signal  
 White .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A1	A2	A3	B	C	D	E	F	G	H
<b>lb/inches</b>										
250-4,000	1/2-20 UNF-2B	0.60	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50
5,000-10,000	3/4-16 UNF-2B	0.75	0.78	6.75	1.50	1.50	0.75	1.50	3.75	0.75
<b>kg/mm</b>										
113.4-1,814.4	1/2-20 UNF-2B	15.2	13.5	130.1	31.8	31.8	15.8	25.4	76.2	12.7
2,268.0-4,535.9	3/4-16 UNF-2B	19.1	19.8	171.5	38.1	38.1	19.1	38.1	95.3	19.1
6,803.9	1-12 UNF-2B	25.4	26.2	222.3	50.8	50.8	25.4	50.8	120.7	25.4

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
250 lb	(113.4 kg)	17386	3 lb	\$350.00
500 lb	(226.8 kg)	17387	3 lb	350.00
1,000 lb	(453.6 kg)	17189	3 lb	350.00
2,500 lb	(1,134.0 kg)	17191	3 lb	350.00
4,000 lb	(1,814.4 kg)	17193	3 lb	350.00
5,000 lb	(2,268.0 kg)	17194	5 lb	420.00
10,000 lb	(4,535.9 kg)	17195	5 lb	420.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>				
3/8-24 nipple		31533*	1 lb	30.00
3/8-24 to 1/4-18 NPT		31534*	1 lb	30.00

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Revere®	9123	274
Artech®	SS30310	—
HBM®	B35	243

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210 TA	52
Rice Lake Weighing Systems	RL1800 Series	62

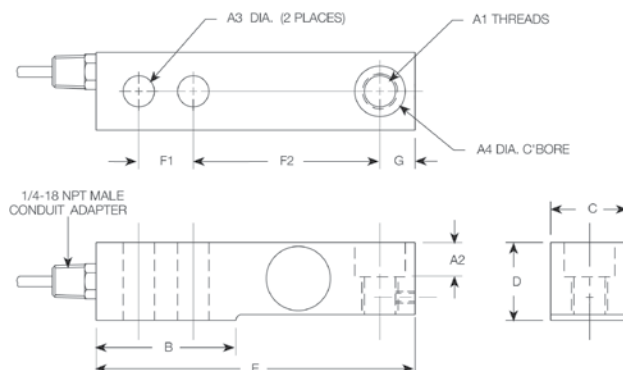
# RL30745

Single-Ended Beam, Stainless Steel, Welded-seal, IP67, NTEP Certified 1:5000 Class III Multiple



500 lb model

Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Bridge Resistance:

350 ohms, nominal

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03%

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded-seal, IP67

### Cable Length:

30 ft (9.1 m) or  
15 ft (4.6 m)

### Cable Diameter:

0.190 polyurethane jacket

### Deflection at Capacity:

500 lb-2,500 lb=0.010 in (0.254 mm)  
5,000 lb-10,000 lb=0.012 in  
(0.3048 mm)

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	K	L
<b>lb/inches</b>											
500-4,000	1.20	3.00	1.00	0.63	0.68	0.507	0.189	0.500	5.25	1.22	2.27
5,000	1.46	3.00	1.00	0.63	0.92	0.539	0.38	0.500	5.38	1.40	2.28
10,000	1.68	3.75	1.50	0.88	1.06	0.533	0.44	0.750	6.87	1.68	3.03
<b>kg/mm</b>											
226.8-1,814.2	30.5	76.2	25.4	16.0	17.5	22.4	4.8	12.7	133.3	30.9	57.6
2,268.0	37.1	76.2	25.4	16.0	23.4	22.4	9.7	12.7	136.7	35.5	57.9
4,536.0	42.7	95.3	38.1	22.4	26.9	35.1	11.8	19.1	174.5	42.6	76.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>30 ft cables</b>			
500 lb (226.8 kg)	76213	3 lb	\$450.00
1,250 lb (567.0 kg)	47946	3 lb	450.00
2,500 lb (1,134 kg)	45463	3 lb	450.00
5,000 lb (2,268 kg)	45465	4 b	575.00
10,000 lb (4,536 kg)	45466	6 lb	695.00
<b>15 ft cables</b>			
500 lb (226.8 kg)	101091	3 lb	410.00
1,250 lb (567.0 kg)	101092	3 lb	410.00
2,500 lb (1,134 kg)	101093	3 lb	410.00
5,000 lb (2,268 kg)	101094	3 lb	535.00
10,000 lb (4,536 kg)	101095	5 lb	660.00
Rocker pin 500-4,000	108612	1 lb	62.00
Rocker pin 5,000	130408	1 lb	64.00
Rocker pin 10,000	131376	1 lb	94.00
O-ring*	108202	1 lb	1.00

\*Two per pin

## Interchangeable Products

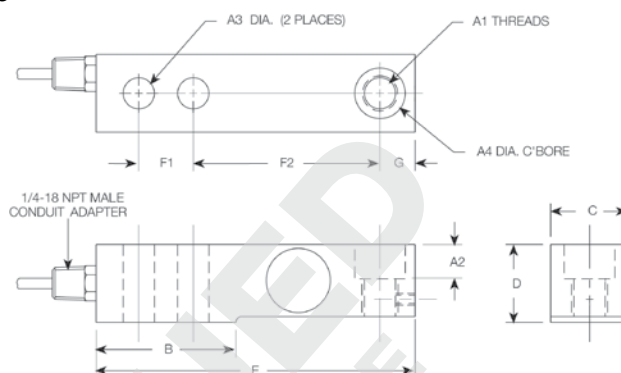
MANUFACTURER	MODEL	PAGE #
Mettler-Toledo®	TB600529-500 lb	—
Mettler-Toledo	TB600363-1250 lb	—
Mettler-Toledo	TB600342-2500 lb	—
Mettler-Toledo	TB600343-5000 lb	—
Mettler-Toledo	TB600364-10000 lb	—
HBM®	THC	246

# RLBLC

Single-Ended Beam, Stainless Steel with Counter Bore



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Bridge Resistance:

1,000 ohms, nominal

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F / -40° C to 65° C

### Seal Type:

Environmentally sealed

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.05% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

1,000 lb-4,000 lb=0.010 in (0.25 mm)  
5,000 lb-10,000 lb=0.012 in (0.30 mm)

### Cable Length:

1,000 lb-4,000 lb=10 ft (3.1 m)  
5,000 lb-10,000 lb=20 ft (6.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

### Warranty:

Two-year limited warranty

## Dimensions

RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F1	F2	G
<b>lb/inches</b>											
1,000-4,000	1/2-20 UNF-2B	0.56	0.53	0.81	2.25	1.21	1.19	5.25	1.00	3.00	0.60
5,000	3/4-16 UNF-2B	0.79	0.78	1.19	3.00	1.45	1.44	6.75	1.50	3.75	0.75
10,000	3/4-16 UNF-2B	0.79	0.78	1.19	3.00	1.69	1.69	6.75	1.50	3.75	0.75
<b>kg/mm</b>											
453.6-1,814.4	1/2-20 UNF-2B	14.2	13.5	20.6	57.2	30.2	30.2	130.1	25.4	76.2	12.7
2,268.0	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	36.6	36.6	171.5	38.1	95.3	19.1
4,535.9	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	42.9	42.9	171.5	38.1	95.3	19.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	17091	3 lb	\$395.00
2,500 lb (1,134.0 kg)	17096	3 lb	395.00
4,000 lb (1,814.4 kg)	17101	3 lb	395.00
5,000 lb (2,268.0 kg)	17104	5 lb	495.00
10,000 lb (4,535.9 kg)	17108	5 lb	495.00
<b>Bushing (for conversion to non-counter bore)</b>			
1,000 lb-4,000 lb SST	17691		8.00

## Interchangeable Products

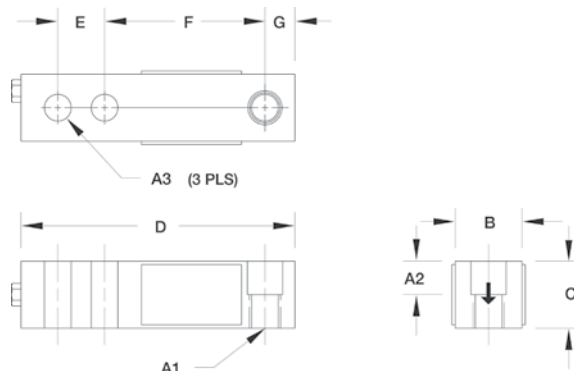
MANUFACTURER	MODEL	PAGE #
HBM®	BLC	248

# RL35023

Single-Ended Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

349-355 ohms

### Input Resistance:

343-357 ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

500 lb-1,000 lb=0.013 in (0.3 mm)  
2,000 lb-3,000 lb=0.015 in (0.4 mm)  
4,000 lb-5,000 lb=0.025 in (0.6 mm)  
10,000 lb=0.035 in (0.9 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	B	C	D	E	F	G
<b>lb/inches</b>									
500	1/2-20 UNF-2B	0.50	0.53	1.25	1.00	5.12	1.00	3.00	0.50
1,000-5,000 SE*	1/2-20 UNF-2B	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50
5,000 LE**-10,000	3/4-16 UNF-2B	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75
15,000-20,000	1-14 UNS-2B	1.00	1.03	2.00	2.00	8.88	2.00	4.88	1.03
<b>kg/mm</b>									
226.8	1/2-20 UNF-2B	12.7	13.5	31.8	25.4	130.1	25.4	76.2	12.7
453.6-2,268.0 SE*	1/2-20 UNF-2B	15.8	13.5	31.8	31.8	130.1	25.4	76.2	12.7
2,268.0 LE**-4,535.9	3/4-16 UNF-2B	19.1	19.8	38.1	38.1	171.5	38.1	95.3	19.8
6,803.9-9,071.9	1-14 UNS-2B	25.4	26.2	50.8	50.8	225.6	50.8	124.0	25.0

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	21528	3 lb	\$295.00
2,000 lb	(907.2 kg)	21529	3 lb	295.00
2,500 lb	(1,134.0 kg)	21530	3 lb	295.00
3,000 lb	(1,360.8 kg)	21531	3 lb	295.00
4,000 lb	(1,814.4 kg)	21532	3 lb	295.00
5,000 lb SE*	(2,268.0 kg)	21535	3 lb	295.00
5,000 lb LE**	(2,268.0 kg)	21533	5 lb	375.00
10,000 lb	(4,535.9 kg)	21534	5 lb	375.00
20,000 lb***	(9,071.9 kg)	166127	10 lb	725.00
<b>Non-NTEP Certified</b>				
500 lb	(226.8 kg)	17181	3 lb	295.00
15,000 lb	(6,803.9 kg)	17186	10 lb	645.00
20,000 lb	(9,071.9 kg)	17187	10 lb	645.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>				
3/8-24 nipple		31533****	1 lb	30.00
3/8-24 to 1/4-18 NPT		31534****	1 lb	30.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Celtron®	SQB	202
VPG Sensortronics®	65023	306

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210TA	52
Rice Lake Weighing Systems	RL1800 Series	62

\* SE refers to small envelope

\*\* LE refers to large envelope

\*\*\* Overbraided cable

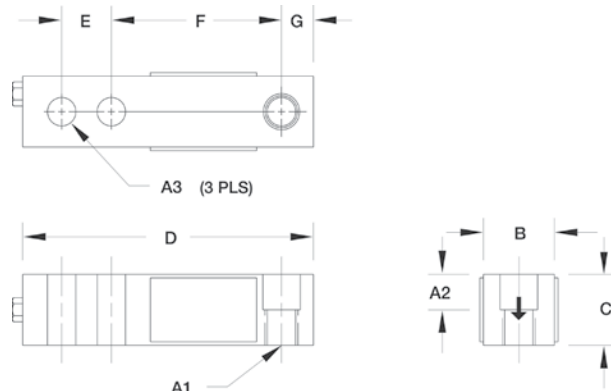
\*\*\*\* PN31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

## RL35023S

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

343-357 ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Deflection at Capacity:**

500 lb-1,500 lb=0.013 in (0.33 mm)  
1,000 lb-5,000 lb=0.017 in-0.025 in  
(0.4318 mm-0.635 mm)  
5,000 lb-10,000 lb=0.025 in-0.035 in  
(0.635 mm-0.889 mm)  
15,000 lb-20,000 lb=0.048 in-0.013 in  
(1.2912 mm-0.3302 mm)

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Coloring:**

Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White.....- Signal

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Warranty:**

Two-year limited warranty

**Approvals:**


### Dimensions

RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F	G
<b>lb/inches</b>										
1,000-4,000	1/2-20 UNF-2B	0.62	0.53	0.53 dia	1.25	1.25	5.12	1.00	3.00	0.50
5000-10,000	3/4-16 UNF-2B	0.75	0.78	0.78 dia	1.50	1.50	6.75	1.50	3.75	0.75
<b>kg/mm</b>										
453.6-1,814.4	1/2-20 UNF-2B	15.8	13.5	13.5 dia	31.8	31.8	130.1	25.4	76.2	12.7
2,268.0-4,535.9	3/4-16 UNF-2B	19.1	19.8	19.8 dia	38.1	38.1	171.5	38.1	95.3	19.1

### Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	30649	3 lb	\$325.00
2,000 lb	(907.2 kg)	30650	3 lb	325.00
2,500 lb	(1,134.0 kg)	30651	3 lb	325.00
4,000 lb	(1,814.4 kg)	30652	3 lb	325.00
5,000 lb	(2,268.0 kg)	30653	5 lb	415.00
10,000 lb	(4,535.9 kg)	30654	5 lb	415.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>				
3/8-24 nipple		31533*		30.00
3/8-24 to 1/4-18 NPT		31534*		30.00

\* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Scentroidronics®	65023 S	311
VPG Scentroidronics	65023 SS	310
VPG Celtron®	HSS	

### Weigh Module Available

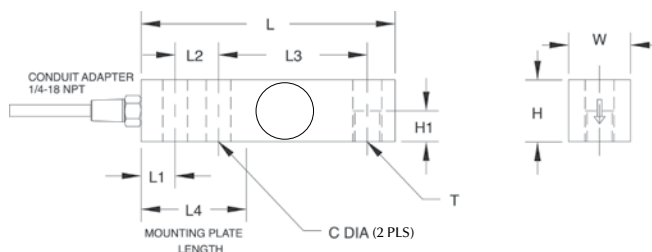
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

# RL35083

Single-Ended Beam, Stainless Steel, Welded-seal, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Output Resistance:**  
349-355 ohms

**Input Resistance:**  
343-357 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F / -40° C to 65° C

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Non-Repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**

1,000 lb-4,000 lb=0.008 in-0.026 in  
(0.203 mm-0.66 mm)  
5,000 lb-10,000 lb=0.030 in-0.055 in  
(0.76 mm-1.397 mm)

**Seal Type:**

Welded-seal strain gauge, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.220 PTFE coated cable

**Conduit Adapter Size:**  
1/4-18 NPT

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	C	H	H1	L	L1	L2	L3	L4	T	W
<b>lb/inches</b>										
1,000-4,000	0.53	1.22	0.61	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5,000-10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
<b>kg/mm</b>										
453.6-1,814.4	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2	1/2-20 UNF-2B	31.0
2,268.0-4,535.9	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	17252	3 lb	\$405.00
2,500 lb (1,134.0 kg)	17253	3 lb	405.00
4,000 lb (1,814.4 kg)	17254	3 lb	405.00
5,000 lb (2,268.0 kg)	17255	5 lb	455.00
10,000 lb (4,535.9 kg)	17256	5 lb	455.00

Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	65083	312
VPG Celtron®	SQB-HSS	203

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

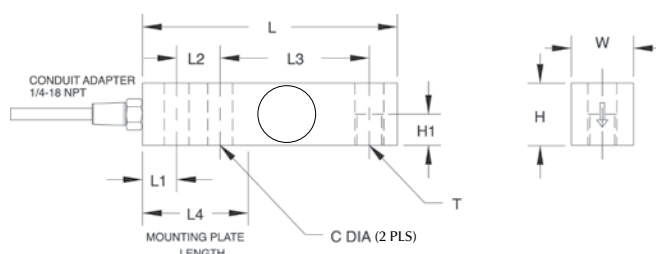


## RL35082

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, Welded-seal, IP67, IP69K\*\*



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
349-355 ohms

**Input Resistance:**  
343-357 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Non-Repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
1,000 lb-4,000 lb = 0.012 in  
(0.33 mm)  
5,000 lb-10,000 lb = 0.030 in  
(0.81 mm)

**Seal Type:**  
Welded-seal strain gauge, IP67

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.220 PTFE coated cable

**Conduit Adapter Size:**  
1/4-18 NPT\*

**Cable Color Code:**

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	C	H	H1	L	L1	L2	L3	L4	T	W
<b>lb/inches</b>										
1,000-4,000	0.53	1.22	0.61	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5,000-10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
<b>kg/mm</b>										
453.6-1,814.4	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2	1/2-20 UNF-2B	31.0
2,268.0-4,535.9	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>RL35082 N5/IP67 Model</b>			
1,000 lb (453.6 kg)	31283	3 lb	\$425.00
2,500 lb (1,134.0 kg)	31282	3 lb	425.00
4,000 lb (1,814.4 kg)	31281	3 lb	425.00
5,000 lb (2,268.0 kg)	31280	5 lb	475.00
10,000 lb (4,535.9 kg)	31279	5 lb	475.00
<b>RL35082HE N5/IP69K Model</b>			
1,000 lb (453.6 kg)	34702	3 lb	505.00
2,500 lb (1,134.0 kg)	34703	3 lb	505.00
4,000 lb (1,814.4 kg)	34704	3 lb	505.00
5,000 lb (2,268.0 kg)	34705	5 lb	555.00
10,000 lb (4,535.9 kg)	34706	5 lb	555.00

Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

\*IP69K hermetically sealed versions have 1/2-14 NPT conduit adapter

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Scentroidronics®	65083S	313

## Weigh Module Available

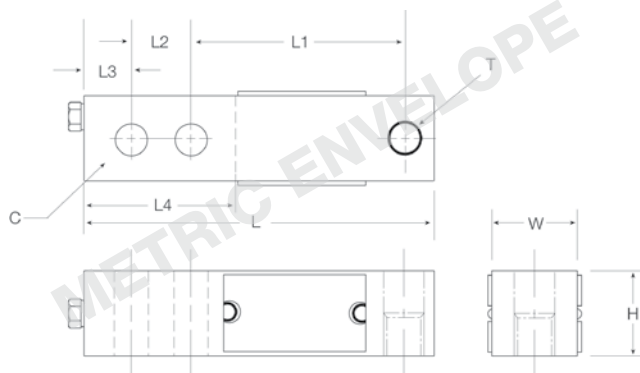
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

## RLETB

Single-Ended Beam, Alloy Steel, OIML C3, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

349-355 ohms

### Input Resistance:

343-357 ohms

### Material/Finish:

Alloy steel

### Temperature:

Compensated range

14°F to 104°F/-10°C to 40°C

Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

6 m (9.7 ft)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY C	H	L	L1	L2	L3	L4	W	T
<b>kg/mm</b>								
1,000-2,000	57.00	32.00	130.00	76.00	25.00	16.00	13.00	M12 x 1.75-6H
5,000	76.00	38.00	171.00	95.00	38.00	19.0	20.7	M20 x 1.5-6H
<b>lb/inches</b>								
2,204.6-4,410.0	2.25	1.25	5.12	3.00	0.98	0.63	0.51	M12 x 1.75-6H
11,025.0	3.00	1.50	6.73	3.74	1.50	0.75	0.81	M20 x 1.5-6H

## Order Information

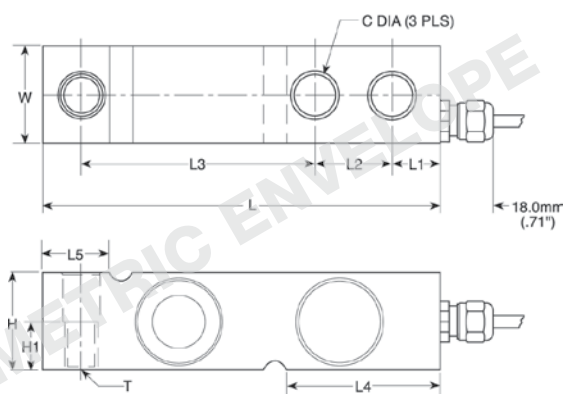
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 kg	(2,204.6 lb)	31248	3 lb	\$325.00
2,000 kg	(4,410.0 lb)	31247	3 lb	325.00
5,000 kg	(11,025.0 lb)	31246	5 lb	405.00

## RLHTO

Single-Ended Beam, Stainless Steel, Hermetically Sealed, IP66/68, OIML C3



Picture is a representation of actual product



### Specifications

**Full Scale Output:**  
2.0m-V/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms $\pm 3$

**Input Resistance:**  
380 ( $\pm 10$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10VDC (15V maximum)

**Total Error:**  
0.02% applied load

**Insulation Resistance:**  
2,000 megohms

**Deflection at Capacity:**  
500 kg-5,000 kg = 0.4 mm (0.015 in)

**Seal Type:**  
Hermetically sealed, IP66/68

**Cable Length:**  
5 m (16.4 ft)

**Cable Diameter:**  
0.220 polyurethane jacket

#### Cable Color Code:

Blue .....+ Excitation  
Black.....- Excitation  
Green .....+ Sense  
Grey .....- Sense  
White .....+ Signal  
Red .....- Signal

**Warranty:**  
Two-year limited warranty

#### Approvals:



### Dimensions

RATED CAPACITY	C	H	H1	L	L1	L2	L3	L4	L5	T	W
<b>lb/inches</b>											
1,102.3-4,409.2	0.53	1.26	0.63	5.12	0.62	1.00	3.00	1.99	0.93	M12 X 1.75.	1.26
11,023.1	0.80	1.89	—	6.75	0.75	1.50	3.75	2.76	1.46	—	1.44
<b>kg/mm</b>											
500-2,000	13.5	32.0	16.0	130.0	15.8	25.4	76.2	50.5	23.5	M12 x 1.75.	32.0
5,000	20.5	48.0	—	171.5	19.0	38.1	95.3	70.0	37.0	—	36.5

### Interchangeable Products

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
C3 500 kg	(1,102.3 lb) 31253	3 lb	\$485.00
C3 1,000 kg	(2,204.6 lb) 31250	3 lb	485.00
C3 2,000 kg	(4,409.2 lb) 31251	3 lb	485.00
C3 5,000 kg	(11,023.1 lb) 31252	5 lb	555.00

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Tedeá-Huntleigh®	3,510 kg	336

### Weigh Module Available

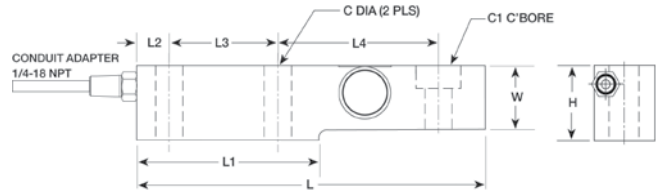
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	1700HE	34

# RLSSB

Single-Ended Beam, Stainless Steel, Welded-seal, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Bridge Resistance:**  
350 ohms, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10VDC (15V maximum)

**Combined Error:**  
0.02%

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Welded-seal, IP67

**Cable Length:**  
15 ft (4.5 m)

**Cable Diameter:**  
0.200 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal

**Warranty:**  
Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	C1	H	L	L1	L2	L3	L4	W
<b>lb/inches</b>									
1,000-5,000	0.53	.68 THRU C'Bore 1.19 x .47 DP	1.88	8.00	4.00	0.75	2.50	3.88	1.44
10,000	0.88	1.00 THRU C'Bore 1.63 x 0.62 DP	2.75	9.25	4.62	0.81	2.63	4.88	1.88
<b>kg/mm</b>									
453.6-2,268.0	13.5	0.68 THRU C'Bore 1.19 x 0.47 DP	47.8	203.2	101.6	19.1	63.5	98.6	36.6
4,535.9	22.4	1.00 THRU C'Bore 1.63 x 0.62 DP	69.9	235.0	117.3	20.6	66.8	124.0	47.8

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	34310	5 lb	\$600.00
2,000 lb (907.2 kg)	34311	5 lb	600.00
5,000 lb (2,268.0 kg)	34312	6 lb	600.00
10,000 lb (4,535.9 kg)	34313	10 lb	715.00
<b>1,000 lb-5,000 lb Stainless Steel</b>			
Load cell button	26112	—	30.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	SB3	—
VPD Revere®	SSB	281
Artech®	SS30610	—

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Mount Kit RL1900	64

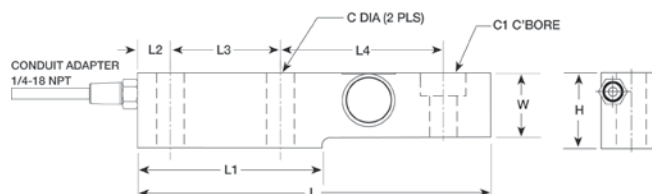
## RLSB250/RLSB250T

Single-Ended Beam, Stainless Steel, Welded-seal, NTEP Certified 1:5000 Class III Multiple Cell, IP67



PN 116048

Picture is a representation of actual product



### Specifications

**Full Scale Output:**

2.0 mV/V

**Bridge Resistance:**

350 ohms, nominal

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Combined Error:**

0.02%

**Non-repeatability:**

0.01% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Welded-seal, IP67

**Cable Length:**

20 ft (6.2 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**



### Dimensions

RATED CAPACITY	C	C1	H	L	L1	L2	L3	L4	T*	W
<b>lb/inches</b>										
2,500-5,000	0.53	0.68 thru C'Bore 1.19 x .47 DP	1.94	8.00	4.00	0.75	2.50	3.88	3/4-16 UNF	1.44
10,000 lb	—	1.00 thru 1.63 x 0.62 DP	2.46	9.00	4.00	0.75	2.00	5.25	—	1.62
<b>kg/mm</b>										
1,134.0	13.5	.68 thru C'Bore 1.19 x .47 DP	47.8	203.2	101.6	19.1	63.5	98.6	—	36.6

### Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
2,500 lb*	(1,134.0 kg) 34482	6 lb	\$600.00
2,500 lb	(1,134.0 kg) 116053	6 lb	600.00
5,000 lb	(2,268.0 kg) 116054	6 lb	700.00
10,000 lb*	(4,536.0 kg) 116055	10 lb	700.00
Insert	116084	—	9.00

\*No threads in load hole

### Interchangeable Products

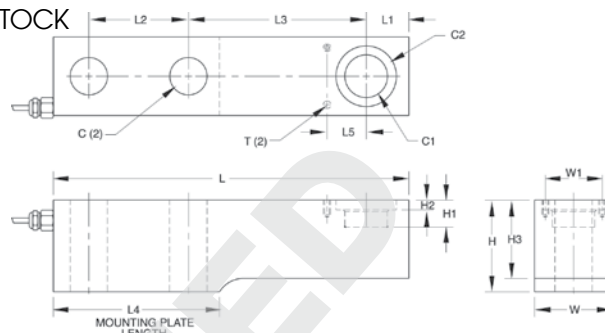
MANUFACTURER	MODEL
Cardinal®	SB2500*

## RLSB2L

Single-Ended Beam, Hermetically Sealed, IP67 LIMITED STOCK



Picture is a representation of actual product



RLSB2L - 35,000-45,000 lb/15,876-20,411.7 kg

## Specifications

### Full Scale Output:

2.0 (± .07% matched) mV/V

### Bridge Resistance:

350 ohms, nominal

### Material/Finish:

35,000 lb-45,000 lb; high-alloy steel, epoxy coated

### Temperature:

Compensated range  
15°F to 115°F/-9°C to 46°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.03% full scale

### Insulation Resistance:

10,000 megohms

### Seal Type:

Hermetically sealed, IP67 35,000 lb and 45,000 lb (15,875.7 kg and 20,411.7 kg)

### Cable Length:

35,000 lb-45,000 lb = 30 ft (9.2 m)

### Cable Diameter:

0.299 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal

### Warranty:

Two-year limited warranty

## Dimensions

RATED CAPACITY	C	C1	C2	H	H1	H2	H3	L	L1	L2	L3	L4	W	W1	T
<b>lb/inches</b>															
35,000	1.31	1.50	2.12	3.22	.95	.37	2.75	12.50	1.50	3.50	6.25	5.84	2.75	2.00	10-32 x .50 DP
<b>kg/mm</b>															
15,875.7	33.3	38.1	53.9	69.9	24.1	9.4	—	317.5	38.1	88.9	158.8	152.4	69.9	50.8	10-32 x 12.7 DP

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>RLSB2L</b>			
35,000 lb*	(15,875.7 kg) 65234	28 lb	\$1,595.00

\* Hermetically sealed

## Interchangeable Products

MANUFACTURER	MODEL	CAPACITY
Masstron®	ML4437	35,000 lb (15,875.7 kg)

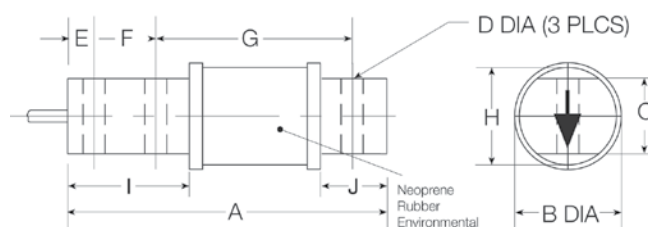


# RL50210

Single-Ended Beam, Alloy Steel, IP65



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

349-355 ohms

### Input Resistance:

380-450 ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40° F to 150° F / -40° C to 65° C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

25 lb-50 lb=0.008 in (0.20 mm)  
100 lb=0.010 in (0.25 mm)  
150 lb=0.012 in (0.30 mm)  
250 lb=0.016 in (0.41 mm)  
500 lb=0.025 in (0.64 mm)

### Seal Type:

Environmentally sealed with neoprene sleeve, IP65

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>lb/inches</b>										
25-500	2.81	1.30	0.62	0.26	0.25	0.50	0.25	1.00	1.00	0.50
<b>kg/mm</b>										
11.3-226.8	71.4	33.0	15.8	6.6	6.4	12.7	6.35	25.4	25.4	12.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
25 lb	(11.3 kg)	17385	2 lb	\$245.00
50 lb	(22.7 kg)	17380	2 lb	245.00
100 lb	(45.4 kg)	17381	2 lb	245.00
150 lb	(68.0 kg)	17382	2 lb	245.00
250 lb	(113.4 kg)	17383	2 lb	245.00
500 lb	(226.8 kg)	17384	2 lb	245.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Scentroidronics®	60040	314
Artech®	50210	—
VPG Revere®	5503	—

## Weigh Module Available

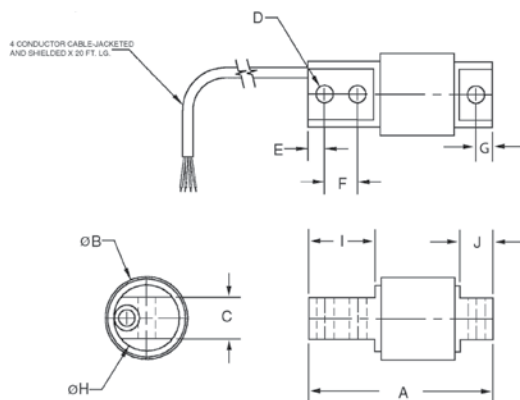
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210TA	52

# RL50210SS

Single-Ended Beam, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Bridge Resistance:**  
350 ohms, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.05% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
25 lb-50 lb=0.008 in (0.20 mm)  
100 lb=0.010 in (0.25 mm)  
150 lb=0.012 in (0.30 mm)  
250 lb=0.016 in (0.41 mm)  
500 lb=0.025 in (0.64 mm)

**Seal Type:**  
Environmentally sealed stainless steel  
sleeve, IP67

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.200 PVC jacket

**Cable Color Code:**  
Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>lb/inches</b>										
25-500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50
<b>kg/mm</b>										
11.3-226.8	71.4	33.0	15.8	6.6	6.4	12.7	46.0	25.4	25.4	12.7

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
25 lb (11.3 kg)	53209	2 lb	\$425.00
50 lb (22.7 kg)	53210	2 lb	425.00
75 lb (34.0 kg)	53211	2 lb	425.00
100 lb (45.4 kg)	53212	2 lb	425.00
150 lb (68.0 kg)	53213	2 lb	425.00
250 lb (113.4 kg)	53214	2 lb	425.00
500 lb (226.8 kg)	53215	2 lb	425.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	60040	314
Artech®	50210	—
VPG Revere®	5503	—
Rice Lake Weighing Systems	RL50210	142
Rice Lake Weighing Systems	RL60040SST	144

## Weigh Module Available

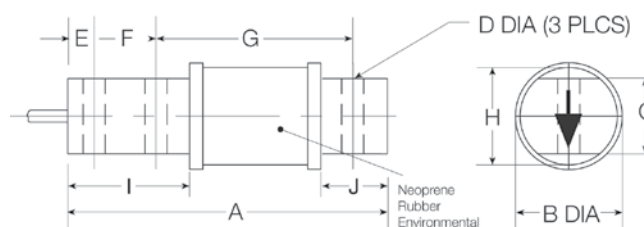
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210TA	52

## RL60040SST

Single-Ended Beam, Stainless Steel, IP65



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

380-450 ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Operating range  
-40° F to 150° F / -40° C to 65° C

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

25 lb-50 lb=0.008 in (0.20 mm)  
100 lb=0.010 in (0.25 mm)  
150 lb=0.012 in (0.3 mm)  
250 lb=0.016 in (0.41 mm)  
500 lb=0.025 in (0.64 mm)

**Seal Type:**

Environmentally sealed with neoprene sleeve, IP65

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

Two-year limited warranty

### Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>lb/inches</b>										
25-500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50
<b>kg/mm</b>										
11.3-226.8	71.4	33.0	15.8	6.6	6.4	12.7	46.0	25.4	25.4	12.7

### Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
25 lb	(11.3 kg)	101972	3 lb	\$425.00
50 lb	(22.7 kg)	101973	3 lb	425.00
75 lb	(34.0 kg)	101974	3 lb	425.00
100 lb	(45.4 kg)	101975	3 lb	425.00
150 lb	(68.0 kg)	101976	3 lb	425.00
250 lb	(113.4 kg)	101977	3 lb	425.00
500 lb	(226.8 kg)	101978	3 lb	425.00

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensuretronics®*	60040	314
Artech®*	50210	—
VPG Revere®*	5503	—
Rice Lake Weighing Systems	RL50210SS	143

### Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210TA	52

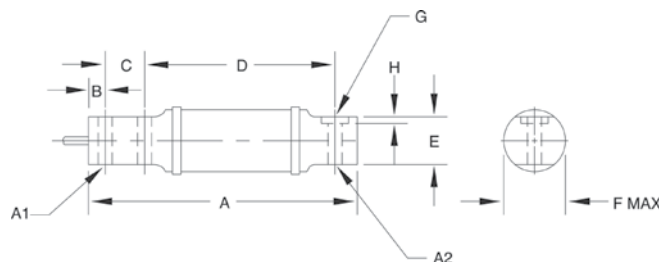
\*Alloy steel

# RL40BBS

Single-Ended Beam, Alloy Steel, IP65



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Bridge Resistance:

50-1000 lb/750 ohms, nominal  
2,500 lb/347 ohms, nominal

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Deflection at Capacity:

50 lb=0.015 in (0.38 mm)  
100 lb=0.005 in (0.64 mm)  
200 lb-250 lb=0.030 in (0.76 mm)  
500 lb=0.020 in (0.51 mm)  
1,000 lb=0.040 in (1.02 mm)  
2,500 lb=0.120 in (3.05 mm)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed with neoprene sleeve, IP65

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	A1	A2	B	C	D	E	F	G	H
<b>lb/inches</b>										
50-100	6.00	0.31	0.31	0.38	0.88	4.25	1.06	1.41	—	—
200-1,000	6.62	0.52	0.52	0.50	1.12	4.25	1.06	1.41	—	—
2,500	11.38	0.53	0.62	0.50	1.75	8.25	1.25	2.19	1.19	0.12
<b>kg/mm</b>										
22.7-45.4	52.4	7.9	7.9	9.7	22.4	108.0	26.9	35.8	—	—
90.7-453.6	168.2	13.2	13.2	12.7	28.5	108.0	26.9	35.8	—	—
1,134.0	289.1	13.5	15.8	12.7	44.5	209.6	31.8	55.6	30.3	3.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 lb (22.7 kg)	17395	3 lb	\$395.00
100 lb (45.4 kg)	17343	3 lb	395.00
200 lb (90.7 kg)	17396	3 lb	395.00
250 lb (113.4 kg)	17397	3 lb	395.00
500 lb (226.8 kg)	17398	3 lb	395.00
1,000 lb (453.6 kg)	17344	3 lb	395.00
2,500 lb (1,134.0 kg)	17345	9 lb	625.00

## Interchangeable Products

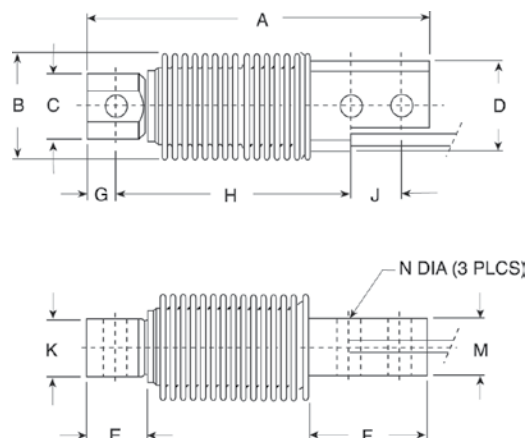
MANUFACTURER	MODEL	PAGE #
HBM®	BBS	249
VPG Sensortronics®	65087	—
Fairbanks®	3-481XX-1	—
Fairbanks	3-48660-1	—
Artech®	40310	—

## RLHBB

Single-Ended Beam, Stainless Steel, NTEP Certified 1:4000 Class III Single Cell 1:5000 Class III Mult/ Cell, OIML C3



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

355 (± 5) ohms

### Input Resistance:

380 (± 10) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10VDC (15V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Deflection at Capacity:

5 kg-500 kg=0.4 mm (.015 in)

### Seal Type:

Hermetically sealed, IP68

### Cable Color Code:

Blue .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Green .....+ Sense  
Gray .....- Sense

### Cable Length:

3 m (10 ft)

### Cable Diameter:

0.220 polyurethane jacket

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	M	N
<b>lb/inches</b>												
11.0-1,102.3	4.72	1.61	0.91	1.26	0.81	1.79	0.39	3.23	0.71	0.79	0.79	0.32
<b>kg/mm</b>												
5-500	120.0	40.0	23.0	32.0	20.5	45.5	10.0	82.0	18.0	20.0	20.0	8.20

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>OIML</b>				
5 kg	(11.0 lb)	32678	2 lb	\$525.00
10 kg	(22.0 lb)	32677	2 lb	525.00
20 kg	(44.1 lb)	31259	2 lb	525.00
50 kg	(110.2 lb)	31260	2 lb	525.00
100 kg	(220.5 lb)	31261	2 lb	525.00
200 kg	(441.0 lb)	31262	2 lb	525.00
250 kg	(551.2 lb)	31263	2 lb	525.00
500 kg	(1,102.5 lb)	36462	2 lb	525.00
<b>NTEP Certified</b>				
5 kg	(11.0 lb)	41113	2 lb	525.00
10 kg	(22.0 lb)	41114	2 lb	525.00
20 kg	(44.1 lb)	41115	2 lb	525.00
50 kg	(110.2 lb)	41116	2 lb	525.00
100 kg	(220.5 lb)	41117	2 lb	525.00
200 kg	(441.0 lb)	41118	2 lb	525.00
250 kg	(551.2 lb)	41119	2 lb	525.00
500 kg	(1,102.5 lb)	41120	2 lb	525.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	Z6*	251
VPG Revere®	SHB	280
VPG Tedea-Huntleigh®	355	337
VPG Celtron®	HBB**	206
Cardinal®	CB6***	—

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	1700HE Series	34

\* Non-NTEP Certified

\*\* Non-NTEP Certified, not FM-approved

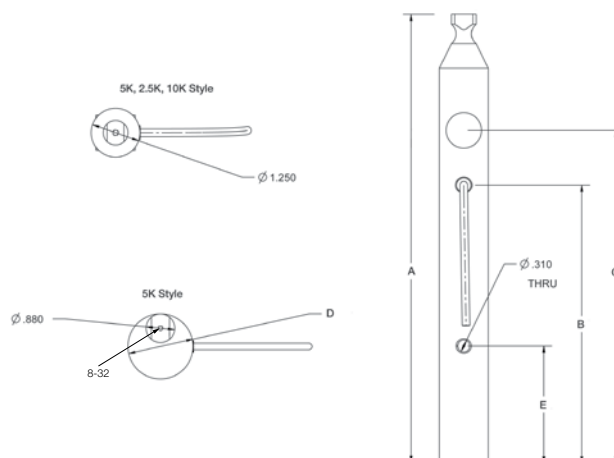
\*\*\* Not interchangeable with 500 kg

# RL32011WB-L

Single-Ended Beam, NTEP Certified 1:5000 Class III, Multiple Cell, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 ± 0.1% mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 10) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC

### Combined Error:

0.02% full scale

### Non-Repeatability:

± 0.01% full scale

### Insulation Resistance:

5,000 megohms

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

### Seal Type:

Potted, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
1,250 lb	11.00	7.1	8.5	1.25	3.0
2,500 lb	11.00	8.5	8.4	1.62	3.0
5,000 lb	10.9	5.5	7.4	2.0	3.0
10,000 lb	12.6	5.9	8.0	2.5	3.0
<b>kg/mm</b>					
567.0 kg	292.1	180.9	216.5	31.8	76.2
1,134.0 kg	292.1	215.3	212.9	41.1	76.2
2,268.0 kg	276.9	138.8	187.5	50.8	76.2
4,535.9 kg	320.5	149.6	203.2	63.5	76.2

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,250 lb	566.99 kg	119788	5 lb	\$595.00
2,500 lb	1,134.0 kg	119789	7 lb	595.00
5,000 lb	2,268.0 kg	119790	9 lb	895.00
10,000 lb	4,535.9 kg	119791	17 lb	995.00

## Interchangeable Products

MANUFACTURER	MODEL
Avery Weigh Tronix®	Weigh Bar
Rice Lake Weighing Systems	RL75000SS

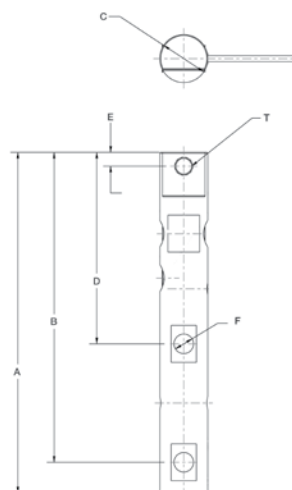


## RL3201 1WB-T

Single-Ended Beam, NTEP Certified 1:5000 Class III, Multiple Cell, Stainless Steel, IP67



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

2.0 ( $\pm 0.1\%$ ) mV/V

**Output Resistance:**

350 ( $\pm 3$ ) ohms

**Input Resistance:**

385 ( $\pm 10$ ) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC

**Combined Error:**

0.02% full scale

**Non-Repeatability:**

$\pm 0.01\%$  full scale

**Insulation Resistance:**

5,000 megohms

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

**Seal Type:**

Potted, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.190 polyurethane jacket

**Warranty:**

Two-year limited warranty

**Approvals:**


### Dimensions

RATED CAPACITY	A	B	C	D	E	F	T
<b>lb/inches</b>							
1,250 lb	11.50	10.47	1.25	6.47	0.470	0.53	1/2-13 UNC
2,500 lb	11.50	10.47	1.62	6.47	0.9.470	0.66	5/8-11 UNC
<b>kg/mm</b>							
566.99 kg	292.1	265.9	31.75	164.3	24.6	13.46	—
1,134.0 kg	292.1	265.9	41.14	164.3	24.6	16.76	—

### Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,250 lb (566.99 kg)	119796	3 lb	\$595.00
2,500 lb (1,134.0 kg)	119797	3 lb	595.00

### Interchangeable Products

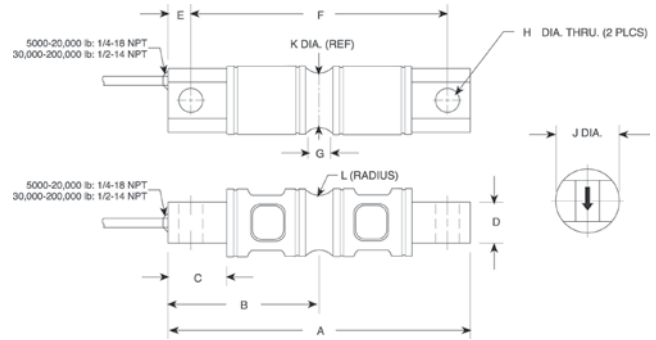
MANUFACTURER	MODEL
Avery Weigh Tronix®	Weigh Bar

# RL70000

Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

700 ( $\pm 5$ ) ohms

### Input Resistance:

770 ( $\pm 10$ ) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range  
14° F to 104° F/-10° C to 40° C  
Operating range  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Deflection at Capacity:

5,000 lb=0.02 in (0.5 mm)  
10,000 lb=0.025 in (0.6 mm)  
20,000 lb=0.042 in (1.1 mm)  
30,000-50,000 lb=0.02 in (.5 mm)  
60,000 lb=0.025 in (0.6 mm)  
100,000 lb=0.02 in (0.5 mm)

### Cable Length:

30 ft (9.1 m)

### Cable Diameter:

5,000 lb-20,000 lb=0.200  
30,000 lb-250,000 lb=0.305

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/inches</b>											
5,000-10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50
30,000-60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.20	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.00
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000-250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.56	5.38	5.17	2.00
<b>kg/mm</b>											
2,268.0-9,071.9	206.3	103.1	36.6	28.5	15.8	174.8	15.8	16.8	55.9	37.6	12.7
9,071.9	206.3	103.1	36.6	14.2	21.3	174.8	21.3	16.8	52.8	37.6	12.7
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	81.3	69.3	25.4
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	88.9	82.3	25.4
68,038.8	285.8	142.8	47.8	71.1	22.4	241.3	31.8	26.9	99.1	92.5	38.1
90,718.5-113,398	409.0	204.5	77.5	116.8	39.4	330.2	33.0	39.6	136.7	131.3	50.8

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified</b>			
5,000 lb (2,268.0 kg)	36263	5 lb	\$655.00
10,000 lb (4,535.9 kg)	36264	6 lb	655.00
20,000 lb (9,071.9 kg)	36265	7 lb	655.00
30,000 lb (13,607.8 kg)	36266	18 lb	755.00
40,000 lb (18,143.7 kg)	36267	18 lb	755.00
50,000 lb (22,679.6 kg)	36268	19 lb	755.00
60,000 lb (27,215.5 kg)	36269	18 lb	755.00
100,000 lb (45,359.2 kg)	36270	28 lb	1,475.00
150,000 lb (68,038.8 kg)	36976	34 lb	1,475.00
200,000 lb (90,718.5 kg)	36977		2,775.00
<b>Non-NTEP</b>			
250,000 lb (113,398.0 kg)	36978		2,775.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Revere®	5103*	282
Artech®	70210	—
Mettler-Toledo	SLD 430	
VPG Celtron®	CSB	

\*Conduit adapter optional

## Weigh Module Available

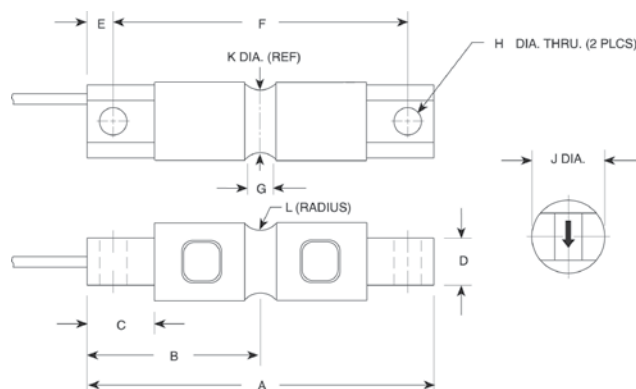
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	EZ Mount 1	84

**RL70000SS**

Double-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III/1:10,000 IIIL Multiple Cell, IP67



Picture is a representation of actual product

**Specifications****Full Scale Output:**  
3.0 mV/V**Output Resistance:**  
700 ( $\pm 9$ ) ohms**Input Resistance:**  
700 ( $\pm 7$ ) ohms**Material/Finish:**  
Stainless steel**Temperature:**  
Compensated range  
0°F to 150°F/-18°C to 65°C  
Operating range  
-40°F to 150°F/-40°C to 65°C**Safe Overload:**  
150% full scale**Safe Sideload:**  
100% full scale**Rated Excitation:**  
5-10 V AC/DC (15 V max)**Non-repeatability:**  
0.02% full scale**Combined Error:**  
0.03% full scale**Insulation Resistance:**  
5,000 megohms**Deflection at Capacity:**5,000 lb=0.02 in (0.5 mm)  
10,000 lb=0.025 in (0.6 mm)  
20,000 lb=0.042 in (1.1 mm)  
30,000-50,000 lb=0.02 in (0.5 mm)  
60,000 lb=0.025 in (0.6 mm)  
100,000-150,000 lb=0.02 in (0.5 mm)**Seal Type:**  
Environmentally sealed, IP67**Cable Length:**  
5,000 lb-20,000 lb=18.6 ft (6 m)  
30,000 lb-150,000 lb=30 ft (10 m)**Cable Diameter:**  
0.295**Cable Color Code:**Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Orange.....Shield**Warranty:**  
Two-year limited warranty**Approvals:**Except  
5,000 lb and  
150,000 lb**Dimensions**

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/inches</b>											
5,000-10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50
30,000-60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.20	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
<b>kg/mm</b>											
2,268.0-4,535.9	206.3	103.1	36.6	28.5	15.8	174.8	15.8	16.8	43.2	37.6	12.7
9,071.9	206.3	103.1	36.6	14.2	15.8	174.8	21.3	16.8	49.5	37.6	12.7
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	81.3	69.3	25.4
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	88.9	82.3	38.1
68,038.8	285.8	142.8	47.8	71.1	22.4	241.3	31.8	26.9	99.1	92.5	38.1

**Order Information**

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb***	(2,268.0 kg)	30431	5 lb \$725.00
10,000 lb	(4,535.9 kg)	30432	5 lb 775.00
20,000 lb	(9,071.9 kg)	30433	6 lb 775.00
30,000 lb	(13,607.8 kg)	30434	22 lb 850.00
40,000 lb	(18,143.7 kg)	30435	22 lb 850.00
50,000 lb	(22,679.6 kg)	30436	22 lb 950.00
60,000 lb	(27,215.5 kg)	30437	22 lb 950.00
100,000 lb	(45,359.2 kg)	30444	30 lb 1,850.00
150,000 lb***	(68,038.9 kg)	30445	30 lb 1,850.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>			
3/8-24 to 1/4-18 NPT (5,000-20,000 lb)	31534*	1 lb	30.00
5/8-18 UNF / 1/2-14 NPT (30,000-150,000 lb)	31535**	1 lb	30.00

**Interchangeable Products**

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL71000HE	151
VPG Revere®	9103	283
Mettler Toledo	SLD-530	

\* On capacities of 5,000 lb to 20,000 lb, order PN 31534

\*\* On capacities of 30,000 lb to 150,000 lb, order PN 51535

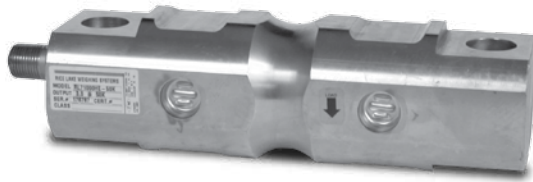
\*\*\* Non-NTEP Certified

**Weigh Module Available**

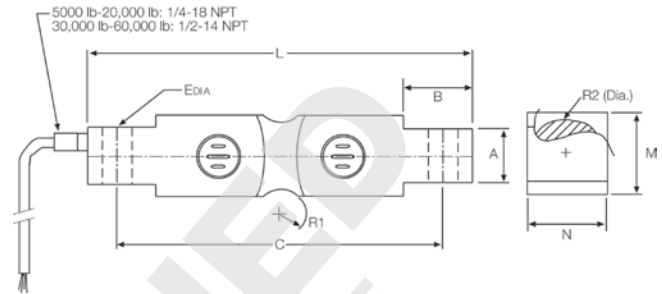
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	EZ Mount 1	84

# RL71000HE


Double-Ended Beam, Stainless Steel, Hermetically Sealed, IP66/68



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Safe Overload:</b> 200% full scale	<b>Hysteresis:</b> 0.05% full scale	<b>Seal Type:</b> Hermetically sealed, IP66/68
<b>Bridge Resistance:</b> 700 ohms, nominal with voltage applied*	<b>Side Load:</b> 100% full scale	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Length:</b> 25 ft (7.6 m)
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 6-15 VDC	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal Orange .....Shield	<b>Warranty:</b> Two-year limited warranty
<b>Temperature:</b> Operating range -40° F to 150° F/-40° C to 65° C	<b>Nonlinearity:</b> 0.03% full scale	<b>Approvals:</b> 	

## Dimensions

RATED CAPACITY	A	B	C	E	R1	R2 (DIA.)	L	M	N
<b>lb/inches</b>									
30,000-60,000	2.38	1.88	8.50	1.06	1.00	2.73	10.25	3.03	3.03
<b>kg/mm</b>									
13,608-27,216	60.4	47.7	215.9	26.9	25.4	69.3	260.3	76.96	76.96

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
30,000 lb	(13,608.0 kg)	42134	22 lb	\$1,695.00
50,000 lb	(22,679.6 kg)	42136	22 lb	1,695.00
60,000 lb	(27,216.0 kg)	42137	22 lb	1,695.00

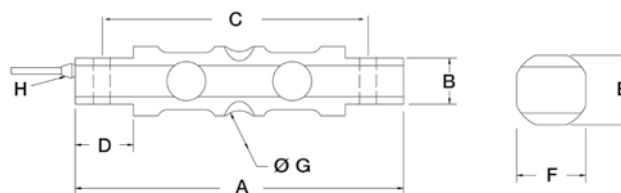
\*Consult factory for IS applications

## RL72010MH

Double-Ended Beam, Stainless Steel, Hermetically Sealed, IP68



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

3.0 mV/V, nominal

**Bridge Resistance:**

700 ohms, nominal

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
0°F to 150°F/-18°C to 65°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Sideload:**

100% full scale

**Non Linearity:**

0.03% full scale

**Hysteresis:**

0.05% full scale

**Rated Excitation:**

5-15 VDC

**Insulation Resistance:**

5,000 megohms

**Cable Diameter:**

0.190 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Orange.....Shield

**Seal Type:**

Hermetically sealed, IP68

**Cable Length:**

25 ft (7.6 m)

**Warranty:**

Two-year limited warranty

**Approvals:**


### Dimensions

RATED CAPACITY	A	B	C	D	E	F	ØG	H
<b>lb/inches</b>								
5,000-20,000	8.12	1.14	6.88	1.44	1.71	1.71	1.00	1/4-18 NPT
30,000-60,000	10.25	2.38	8.50	1.88	3.03	3.03	2.00	1/2-14 NPT
<b>kg/mm</b>								
2,268-9,072	206.2	28.9	174.7	36.5	43.43	43.43	25.4	1/4-18 NPT
13,608-27,216	260.3	60.4	215.9	47.7	76.96	76.96	50.8	1/2-14 NPT

### Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5000 lb (2,268.0 kg)	118462	5 lb	\$1,095.00
10,000 lb (4,535.9 kg)	118463	5 lb	1,095.00
20,000 lb (9,071.9 kg)	118464	5 lb	1,095.00
30,000 lb (13,607.8 kg)	118465	20 lb	1,495.00
40,000 lb (18,143.7 kg)	118466	20 lb	1,495.00
50,000 lb (22,679.6 kg)	118467	20 lb	1,495.00
60,000 lb (27,215.5 kg)	118468	20 lb	1,495.00

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL71000HE	151
Rice Lake Weighing Systems	RL70000SS	150
VPG Revere®	9103	283

### Weigh Module Available

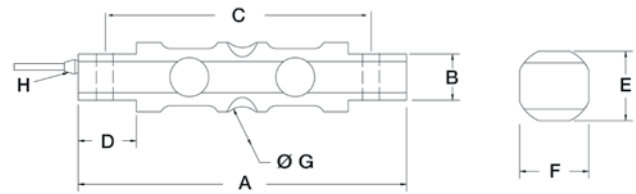
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	EZ Mount 1	84

# NEW RL72015HE

Double-Ended Beam, Stainless Steel, Welded Seal, IP68



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Bridge Resistance:

700 ohms, nominal

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Side Load:

100% full scale

### Rated Excitation:

5-10 VDC

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.05% full scale

### Insulation Resistance:

5,000 megohms

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Orange .....Shield

### Seal Type:

Welded seal, IP68

### Cable Length:

30 ft (9.1 m)

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	
<b>lb/inches</b>									
5,000-20,000	8.12	1.12	6.88	1.44	1.7	1.7	1.00	0.66	1/4-18 NPT
30,000-60,000	10.25	48.5	8.5	1.88	3.00	3.00	2.00	1.06	1/2-14 NPT
<b>kg/mm</b>									
2,268.0-9,072	206.2	2.38	174.6	36.5	43.2	43.2	25.4	16.7	1/4-18 NPT
13,608-27,216	260.4	60.5	215.9	47.7	76.2	76.2	50.8	26.9	1/2-14 NPT

## Order Information

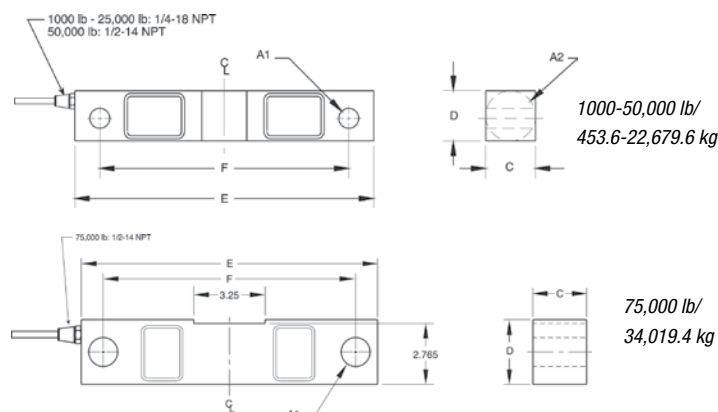
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb (2268.0 kg)	171948	5 lb	\$995.00
10,000 lb (4539.8 kg)	171949	5 lb	995.00
20,000 lb (9071.0 kg)	171950	5 lb	995.00
30,000 lb (13,607.8 kg)	171956	20 lb	1,295.00
40,000 lb (18,143.9 kg)	171951	20 lb	1,295.00
50,000 lb (22,679.6 kg)	171952	20 lb	1,295.00
60,000 lb (27,215.5 kg)	171953	20 lb	1,295.00

# RL75016

Double-Ended Beam, Alloy Steel, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

700 (± 5) ohms

### Input Resistance:

770 (± 10) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Deflection at Capacity:

1,000 lb-3,000 lb=0.01 in (0.3 mm)  
5,000 lb=0.015 in (0.4 mm)  
10,000-20,000 lb=0.022 in (0.6 mm)  
25,000 lb=0.036 in (0.9 mm)  
50,000 lb=0.052 in (1.3 mm)  
75,000 lb=0.07 in (1.8 mm)

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

25 ft (7.6 m)

### Cable Diameter:

1,000 lb-25,000 lb=0.200 polyurethane jacket  
50,000 lb-75,000 lb=0.305 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	C	D	E	F
<b>lb/inches</b>						
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50
50,000	1.31	3.00	2.44	2.94	13.50	11.50
75,000	1.31	—	2.44	2.94	13.50	11.50
<b>kg/mm</b>						
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8
4,535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5
22,679.6	33.3	76.2	62.0	74.7	342.9	292.1
34,019.4	33.3	—	62.0	74.7	342.9	292.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	17300	4 lb	\$525.00
1,500 lb (680.4 kg)	17302	4 lb	525.00
2,000 lb (907.2 kg)	17304	4 lb	525.00
2,500 lb (1,134.0 kg)	17306	4 lb	525.00
3,000 lb (1,360.8 kg)	17308	4 lb	525.00
5,000 lb (2,268.0 kg)	17309	4 lb	525.00
10,000 lb (4,535.9 kg)	17311	7 lb	600.00
15,000 lb (6,803.9 kg)	17313	7 lb	600.00
20,000 lb (9,071.9 kg)	17315	7 lb	600.00
25,000 lb (11,339.8 kg)	17317	7 lb	600.00
50,000 lb (22,679.6 kg)	17319	25 lb	925.00
75,000 lb* (34,019.4 kg)	25357	25 lb	925.00

\*75,000 lb capacity has a square center

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Celtron®	DSR	208
VPG Scentroid®	65016	318
VPG Revere®	5203	—

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	92

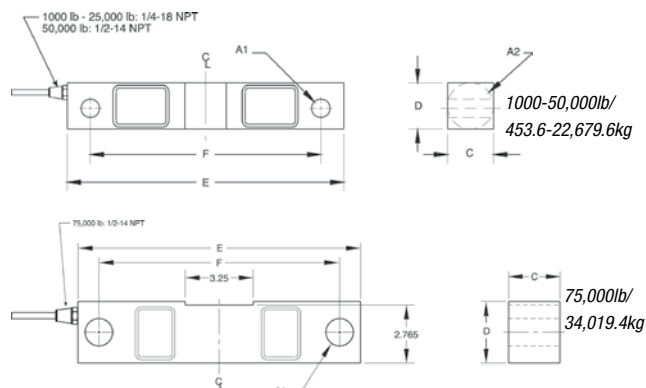


# RL75016SS

Double-Ended Beam, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0mV/V	<b>Safe Sideload:</b> 100% full scale	<b>Deflection at Capacity:</b> 1,000 lb-3,000 lb=0.01 in (0.3 mm) 5,000 lb=0.015 in (0.4 mm) 10,000 lb-20,000 lb=0.022 in (0.6 mm) 25,000 lb=0.036 in (0.9 mm) 50,000 lb=0.052 in (1.3 mm) 75,000 lb=0.07 in (1.8 mm)	<b>Cable Color Code:</b> Red .....+ Excitation Black .....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 700 (± 5) ohms	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Insulation Resistance:</b> 5,000 megohms	<b>Warranty:</b> Two-year limited warranty
<b>Input Resistance:</b> 770 (± 10) ohms	<b>Nonlinearity:</b> 0.07% full scale	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Approvals:</b> F M CE
<b>Material/Finish:</b> Stainless steel	<b>Hysteresis:</b> 0.02% full scale	<b>Cable Length:</b> 25 ft (7.6 m)	
<b>Temperature:</b> Operating range -40° F to 150° F/-40° C to 65° C	<b>Cable Diameter:</b> 1,000 lb-25,000 lb=0.200 polyurethane jacket 50,000 lb-75,000 lb=0.305 polyurethane jacket		
<b>Safe Overload:</b> 150% full scale			

## Dimensions

RATED CAPACITY	A1	A2	C	D	E	F
<b>lb/inches</b>						
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50
50,000	1.31	3.00	2.44	2.94	13.50	11.50
75,000	1.31	—	2.44	2.94	13.50	11.50
<b>kg/mm</b>						
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8
4,535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5
22,679.6	33.3	76.2	62.0	74.7	342.9	292.1
34,019.4	33.3	—	62.0	74.7	342.9	292.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	17301	4 lb	\$550.00
1,500 lb (680.4 kg)	17303	4 lb	550.00
2,000 lb (907.2 kg)	17305	4 lb	550.00
2,500 lb (1,134.0 kg)	17307	4 lb	550.00
5,000 lb (2,268.0 kg)	17310	4 lb	550.00
10,000 lb (4,535.9 kg)	17312	7 lb	625.00
15,000 lb (6,803.9 kg)	17314	7 lb	625.00
20,000 lb (9,071.9 kg)	17316	7 lb	625.00
25,000 lb (11,334.8 kg)	17318	7 lb	625.00
50,000 lb (22,679.6 kg)	17320	25 lb	1,225.00
75,000 lb* (34,019.4 kg)	25356	27 lb	1,225.00

\*75,000 lb capacity has a square center

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016 WHE*	157
VPG Sensitive Systems	65016W	319
VPG Sensitive Systems	65016WH*	320
VPG Revere	9203	—
VPG Celtron	DSR-HSS	209

\*Hermetically sealed

## Weigh Module Available

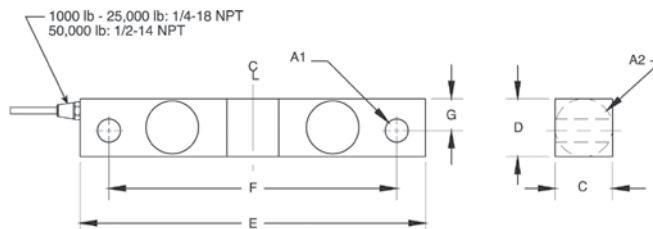
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	92 and 94

# NEW RL75016SS-W

Double-Ended Beam, Stainless Steel, Welded Seal IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
700 ( $\pm 5$ ) ohms

**Input Resistance:**  
770 ( $\pm 10$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F / -40° C to 65° C

**Safe Overload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V max)

**Hysteresis:**  
0.02% full scale

**Linearity:**  
0.03% full scale

**Seal Type:**  
Environmentally welded seal, IP67

**Cable Length:**  
25 ft (7.6 m)

**Cable Color Code:**  
Red ..... + Excitation  
Black..... - Excitation  
Green..... + Signal  
White ..... - Signal

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A1	A2	C	D	E	F	G
<b>lb/inches</b>							
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25	0.69
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50	0.96
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50
<b>kg/mm</b>							
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5
4535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	24.4
22,679.7	33.3	76.2	62.0	74.7	342.9	292.1	38.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	168114	4 lb	\$595.00
5,000 lb (2,268.0 kg)	168115	4 lb	595.00
10,000 lb (4,535.9 kg)	168116	7 lb	675.00
15,000 lb (6,803.9 kg)	168117	7 lb	675.00
20,000 lb (9,071.9 kg)	168118	7lb	675.00
25,000 lb (11,339.8 kg)	168119	7 lb	675.00
50,000 lb (22,679.6 kg)	168120	25 lb	1,295.00

## Interchangeable Products

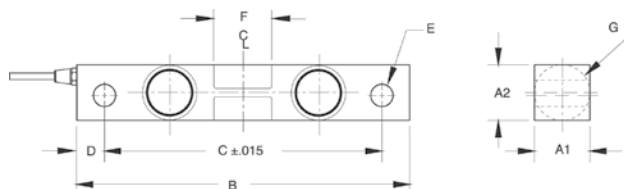
MANUFACTURER	MODEL
VPG Celtron®	DSR-HSS
Rice Lake Weighing Systems	RL75016SS

## RL75016 WHE

Double-Ended Beam, Stainless Steel, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

699-707 ohms

### Input Resistance:

686-714 ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.03% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Hermetically sealed, IP69K

### Cable Length:

25 ft (7.6 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	B	C	D	E	F	G	CONDUIT ADAPTER
<b>lb/inches</b>									
1,000-5,000	1.22	1.22	7.50	6.25	0.62	0.50	1.12	1.25	1/2-14 NPT
10,000-25,000	1.44	1.94	8.75	7.50	0.62	0.81	1.62	1.99	1/2-14 NPT
<b>kg/mm</b>									
453.6-2,268.0	31.0	31.0	190.5	158.8	15.7	12.7	28.4	31.8	—
4,535.9-11,339.8	36.6	49.3	222.3	190.5	15.7	20.6	41.1	50.5	—

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	67043	4 lb	\$695.00
1,500 lb	(680.4 kg)	67044	4 lb	695.00
2,000 lb	(907.2 kg)	67045	4 lb	695.00
2,500 lb	(1,124.0 kg)	67046	4 lb	695.00
5,000 lb	(2,268.0 kg)	67047	4 lb	695.00
10,000 lb	(4,535.9 kg)	67048	7 lb	785.00
15,000 lb	(6,803.9 kg)	67049	7 lb	785.00
20,000 lb	(9,071.8 kg)	67050	7 lb	785.00
25,000 lb	(11,339.8 kg)	67051	7 lb	785.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016SS*	155
VPG Sensortronics®	65016W	310
VPG Sensortronics®	65016WH	320

\*Environmentally sealed, IP67

## Weigh Module Available

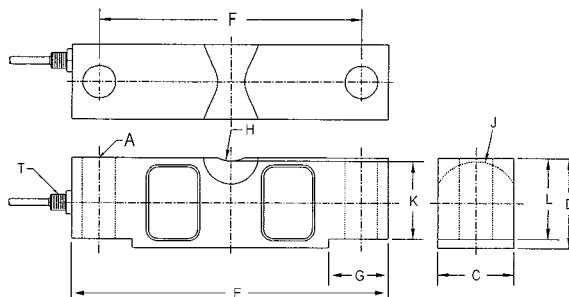
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	92 and 94

## RL75058

Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class III Multiple Cell, IP67



Picture is a representation of actual product



### Specifications

**Full Scale Output:**  
3.0 mV/V**Output Resistance:**  
700 ( $\pm 5$ ) ohms**Input Resistance:**  
770 ( $\pm 10$ ) ohms**Material/Finish:**  
High-alloy steel, nickel plated**Temperature:**  
Compensated range  
14° F to 104° F / -10° C to 40° C  
Operating range  
-40° F to 150° F / -40° C to 65° C**Safe Overload:**  
150% full scale**Safe Sideload:**  
100% full scale**Rated Excitation:**  
5-10 VDC (15 V maximum)**Nonlinearity:**  
0.03% full scale**Hysteresis:**  
0.02% full scale**Insulation Resistance:**  
5,000 megohms**Seal Type:**  
Environmentally sealed, IP67**Cable Length:**  
35 ft (10.6 m)**Cable Diameter:**  
0.200 polyurethane jacket 10,000 lb-  
25,000 lb  
0.305 polyurethane jacket 40,000 lb-  
125,000 lb**Cable Coloring:**

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**

### Dimensions

RATED CAPACITY	A	C	D	E	F	G	H	J	K	L	T
<b>lb/inches</b>											
10,000-25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70	1/4-18 NPT
40,000	0.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10	1/4-18 NPT
50,000-75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT
100,000-125,000	1.62	2.90	3.86	15.25	12.75	3.13	1.50	1.80	3.30	3.43	1/2-14 NPT
<b>kg/mm</b>											
4,536.1-11,339.8	17.3	42.9	49.3	196.9	165.1	35.1	19.1	22.9	41.4	43.2	1/4-18 NPT
18,143.7	20.6	49.3	62.00	260.4	215.9	49.00	25.4	28.5	50.8	53.3	1/4-18 NPT
22,679.6-34,019.4	26.9	62.00	74.7	260.4	215.9	49.00	25.4	34.8	64.5	67.3	1/2-14 NPT
45,359.4-56,699.1	41.2	737.00	980	387.4	323.9	79.5	38.1	45.7	83.8	87.1	1/2-14 NPT

### Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:10,000</b>				
20,000 lb	(9,071.9 kg)	34314	8 lb	\$635.00
25,000 lb	(11,339.8 kg)	34315	8 lb	635.00
40,000 lb	(18,143.7 kg)	34316	13 lb	760.00
50,000 lb	(22,679.6 kg)	34317	19 lb	835.00
60,000 lb	(27,215.5 kg)	34318	19 lb	835.00
75,000 lb	(34,019.4 kg)	34319	19 lb	835.00
100,000 lb	(45,359.4 kg)	34320	40 lb	1,575.00
125,000 lb	(56,699.1 kg)	34321	40 lb	1,575.00
<b>Non-NTEP Certified</b>				
10,000 lb	(4536.0 kg)	41890		615.00
<b>60 ft Cables</b>				
50,000 lb	(22,679.6 kg)	53417	18.3 lb	895.00
75,000 lb**	(34,019.4 kg)	39516	18.87 lb	895.00
75,000 lb*	(34,019.4 kg)	73839	19.3 lb	995.00
125,000 lb	(45,359.4 kg)	96944	40 lb	1,625.00
<b>100' Cable</b>				
75,000 lb	(34,019.4 kg)	74725	21 lb	995.00

\*Stainless steel overbraid cable

\*\*Used in Rice Lake truck scales

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sentsortronics®	65058A	321
VPG Celtron®	CLB	211

### Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	2100HE	42
Rice Lake Weighing Systems	MVS	96
Rice Lake Weighing Systems	TSA	98

### Replacement Load Cells for RL75058 Class III Rice Lake Coil Scale

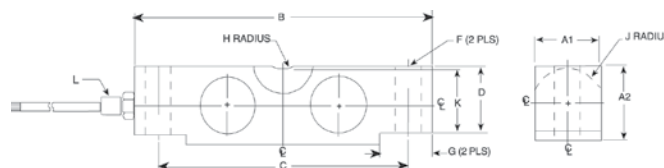
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
20,000 lb	121439		\$635.00
25,000 lb	121440	7.5 lb	635.00
40,000 lb	121441	13 lb	760.00
50,000 lb	121442	10 lb	835.00
60,000 lb	121443		835.00
75,000 lb	121444	20 lb	835.00

# RL75060S

Double-Ended Beam, Stainless Steel, Welded-seal, IP67, NTEP Certified 1:5000 III/1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Output Resistance:**  
699-707 ohms

**Input Resistance:**  
686-714 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
1,000 megohms

**Seal Type:**  
Welded-seal, IP67

**Cable Length:**  
35 ft (10.6 m)

**Cable Diameter:**  
0.200 polyurethane jacket 20,000 lb-  
25,000 lb  
0.305 polyurethane jacket 35,000 lb-  
100,000 lb

**Cable Coloring:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	F	A1	A2	B	C	G	H	J	K	D	L
<b>lb/inches</b>											
20,000-25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70	1/4-18 NPT
35,000-75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT
100,000	1.06	2.44	3.44	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT
<b>kg/mm</b>											
9,071.9	17.3	42.9	49.3	196.9	165.1	35.1	19.1	22.9	41.4	43.2	1/4-18 NPT
15,875.7-34,019.4	26.9	62.0	74.7	260.4	215.9	49.0	25.4	34.8	64.5	67.3	1/2-14 NPT
45,359.4	26.9	62.0	87.4	260.4	215.9	49.0	25.4	34.8	64.5	67.3	1/2-14 NPT

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
20,000 lb (9,071.9 kg)	53481	6 lb	\$875.00
25,000 lb (11,339.8 kg)	50559	6 lb	875.00
35,000 lb (15,875.7 kg)	50560	19 lb	1,095.00
50,000 lb (22,679.6 kg)	50561	19 lb	1,095.00
60,000 lb (27,215.5 kg)	50562	19 lb	1,095.00
75,000 lb (34,019.4 kg)	50563	19 lb	1,095.00
100,000 lb (45,359.4 kg)	50564	19 lb	2,295.00
<b>60 ft Cable</b>			
25,000 lb (11,339.8 kg)	157931	6 lb	925.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	65058S	322

## Weigh Module Available

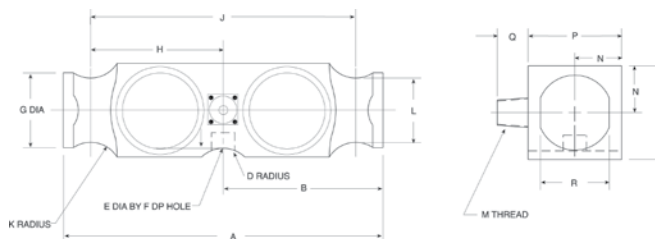
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	2100HE	42
Rice Lake Weighing Systems	MVS	96
Rice Lake Weighing Systems	TSA	98

# RL75223

Double-Ended Beam, Alloy Steel, Welded-seal, IP67, NTEP Certified 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

699-707 ohms

**Input Resistance:**

686-714 ohms

**Material/Finish:**

High-alloy steel

**Temperature:**

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Non-repeatability:**

0.01% full scale

**Combined Error:**

0.03% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

50,000 lb=0.018 in (0.5 mm)  
65,000 lb=0.022 in (0.6 mm)  
100,000 lb=0.034 in (0.9 mm)

**Seal Type:**

Welded-seal strain gauge, IP67

**Cable Length:**

40 ft (12.2 m)  
PN 107583 60 ft (18.2 m)

**Cable Diameter:**

0.305 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

Two-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
<b>lb/inches</b>															
50,000-65,000	10.25	5.12	1.00	0.75	0.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
100,000	10.25	5.12	1.00	—	—	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
<b>kg/mm</b>															
22,679.6-29,483.5	260.4	130.1	25.4	19.1	19.8	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9
45,359.2	260.4	130.1	25.4	—	—	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb**	(22,679.6 kg)	107583	21 lb	\$925.00
50,000 lb	(22,679.6 kg)	21611	20 lb	850.00
65,000 lb	(29,483.5 kg)	21612	20 lb	850.00
100,000 lb	(45,359.2 kg)	21613	21 lb	1,200.00

\*\*60 ft of cable

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Revere®	5223	284
Artech®	80210	—
Thurman®	TSC 800	—
VPG Sensortronics®	65040A-XX-1127W	—
Unibridge®	DL9000	—

## Weigh Module Available

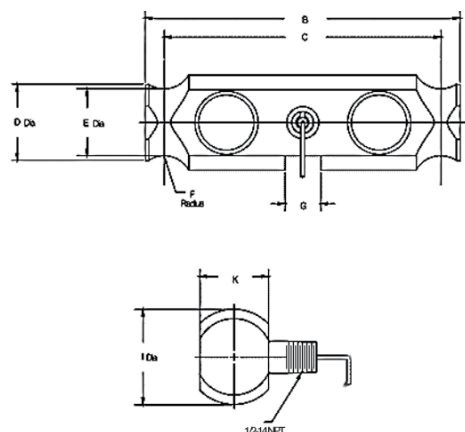
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Translink	100

# RLDB50000S

Double-Ended Beam, Stainless Steel, NTEP Certified 1:10000 IIIIL Multiple Cell, Welded-seal, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2±0.1% mV/V

### Output Resistance:

686-714 ohms

### Input Resistance:

699-707 ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated Range  
14°F-104°F/-10°C-40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V DC maximum)

### Non-repeatability:

0.01% full scale

### Combined Error:

0.03% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

50,000 lb=0.01 in (0.38 mm)

### Seal Type:

Environmentally sealed, NEMA Type  
6P/IP67

### Cable Length:

35 ft (10.6 m)

### Cable Diameter:

0.305 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
White .....- Signal  
Green .....+ Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	B	C	D	E	F	G	K	I
<b>lb/inches</b>								
50,000 lb	8.25	7.25	2.00	1.76	0.75	0.93	1.8	2.5
<b>kg/mm</b>								
22,679.6	209.55	184.15	50.8	44.7	19.00	23.6	45.72	63.50

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg) 91765	10 lb	\$1,195.00

## Interchangeable Products

MANUFACTURER	MODEL
Cardinal®	DB50000S

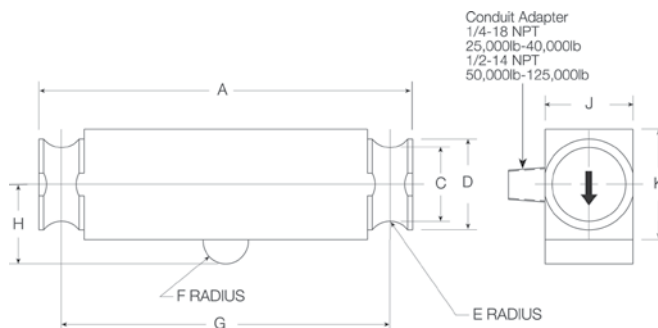


## RL75040

Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**700 ( $\pm 5$ ) ohms**Input Resistance:**770 ( $\pm 10$ ) ohms**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

1,000 megohms

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

35 ft (10.6 m), 40 ft (12.2 m) or 50 ft (5.2 m)

**Cable Diameter:**0.200 polyurethane jacket 25,000 lb  
0.305 polyurethane jacket 40,000 lb-  
75,000 lb**Cable Coloring:**Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal**Warranty:**

Two-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	C	D	E	F	G	H	J	K
<b>lb/inches</b>									
25,000-40,000 50,000 SE* & 60,000 SE*	8.25	1.63	2.00	0.50	0.50	7.25	1.75	1.94	2.44
50,000-75,000	11.50	1.70	2.20	0.75	1.00	10.00	2.00	1.94	2.94
100,000-125,000	14.50	2.44	3.20	1.00	1.50	12.50	2.75	2.90	3.86
<b>kg/mm</b>									
11,339.8-18,143.7 & 27,215.5 SE*	209.6	41.4	50.8	12.7	12.7	184.2	44.5	49.3	62.0
22,679.6-34,019.4	292.1	43.2	55.9	19.1	25.4	254.0	50.8	49.3	74.7
45,359.2-56,699.1	368.3	62.00	81.3	25.4	38.1	317.5	69.9	73.7	98.0

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>35 ft Cable</b>				
25,000 lb	(11,339.8 kg)	21614	11 lb	\$635.00
40,000 lb	(18,143.7 kg)	21615	12 lb	760.00
50,000 lb	(22,679.6 kg)	21616	17 lb	835.00
60,000 lb	(27,215.5 kg)	21617	17 lb	835.00
75,000 lb	(34,019.4 kg)	21618	17 lb	835.00
100,000 lb	(45,359.2 kg)	21619	40 lb	1,575.00
125,000 lb	(56,699.1 kg)	21620	40 lb	1,575.00
<b>40 ft Cable</b>				
50,000 lb SE*	(22,679.6 kg)	87253	11 lb	760.00
60,000 lb SE*	(27,215.5 kg)	53593	11 lb	760.00
<b>50 ft Cable</b>				
50,000 lb	(22,679.6 kg)	21621	18 lb	865.00
60,000 lb	(27,215.5 kg)	21622	18 lb	865.00
75,000 lb	(34,020 kg)	40951	18 lb	865.00

\*SE refers to small envelope

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	65040A	324
Artech®	80310	—
Thurman®	TSC 840	—
VPG Celtron®	DLB	212

## Weigh Module Available

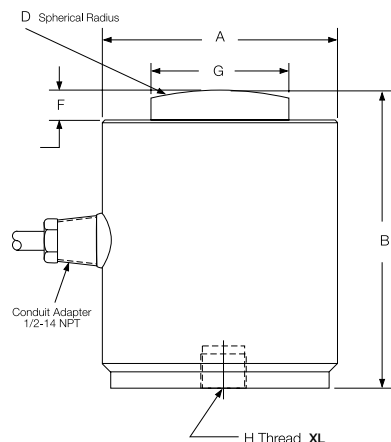
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Translink	100

# RLCSP1

Compression Canister, Stainless Steel Welded-seal, IP67, NTEP Certified 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

475.2-484.8 ohms

### Input Resistance:

445.5-454.5 ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

1,000 megohms

### Deflection at Capacity:

25,000 lb-50,000 lb=0.003 in  
(0.076 mm)  
100,000 lb-200,000 lb=(0.006 in  
(0.152 mm)

### Seal Type:

Welded-seal, IP67

### Cable Length:

35 ft (10.7 m)

### Cable Diameter:

0.305 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Orange ..... Shield

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	D	F	G	H	L-DEPTH
<b>lb/inches</b>							
25,000-50,000	3.00	3.25	6.00	0.40	1.25	1/2-20 UNF-2B	0.31
100,000	4.00	5.00	6.00	0.51	2.31	3/4-16 UNF-2B	0.56
200,000	6.00	7.25	17.00	1.04	3.13	3/4-16 UNF-2B	0.75
<b>kg/mm</b>							
11,339.8-22,679.6	76.2	82.6	152.4	10.2	31.8	1/2-20 UNF-2B	7.9
45,359.2	101.6	127.0	152.4	13.0	58.7	3/4-16 UNF-2B	14.2
90,718.5	152.4	184.2	431.8	26.4	79.5	3/4-16 UNF-2B	19.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
25,000 lb (11,339.8 kg)	32702	7 lb	\$1,795.00
50,000 lb (22,679.6 kg)	32701	7 lb	1,795.00
100,000 lb (45,359.2 kg)	32700	15 lb	2,100.00
200,000 lb (90,718.5 kg)	32699	28 lb	2,995.00

## Interchangeable Products

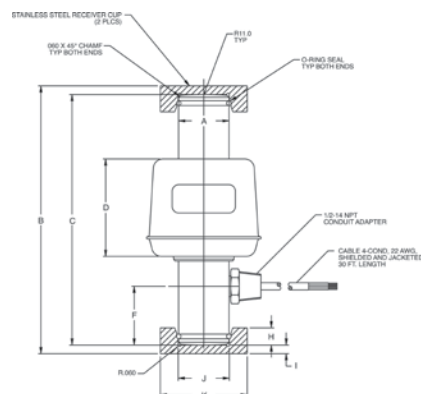
MANUFACTURER	MODEL	PAGE #
VPG Sentsortronics®	65088-1000	—
VPG Revere®	CSP	292
VPG Revere	692B	—
Howe Richardson®	244699-000X	—
Streeter Amet®	3760XXX	—
<b>Weigh Module Available</b>		
Rice Lake Weighing Systems	MagnaMount®	104

# RLSCA-50K

Rocker Column, Stainless Steel Welded-seal, IP67, NTEP Certified 1:10,000 Class IIII Multiple Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2 mv/V nominal

**Output Resistance:**  
1,050 ( $\pm 10$ ) ohms

**Input Resistance:**  
1,100 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.025% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
1,000 megohms

**Seal Type:**  
Welded seal, IP67

**Cable Length:**  
30 ft (9 m)

**Cable Diameter:**  
0.200 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....- Signal  
Red .....+ Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	F	H	I	J	K
<b>lb/inches</b>									
50,000	1.46	7.75	7.25	2.82	1.70	0.50	0.25	1.48	2.50
<b>kg/mm</b>									
22,679.6	37.0	196.8	184.1	71.6	43.1	12.7	6.35	37.5	63.5

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb* (22,679.6 kg)	68918	7 lb	\$995.00
Replacement load cup set upper and lower included	85433	1 lb	95.00
Replacement O-rings	92988	1 lb	1.00/each

\*Load cell supplied with load cups

## Interchangeable Products

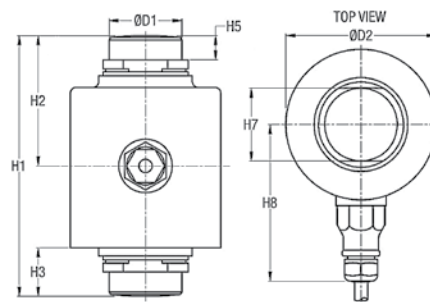
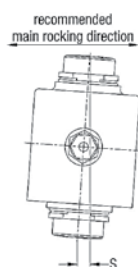
MANUFACTURER	MODEL
Cardinal®	SCA-50K

**NEW****RL70510-30†/RL80453-100,000 lb**

Rocker Cell, Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class III L



Picture is a representation of actual product

**Specifications****Full Scale Output:**

2.0mV/v

**Output Resistance:**

1,000 (± 2) ohms

**Input Resistance:**

1,150 (± 50) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated Range

14°F-104°F/-10°C-40°C

Operating range

-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

200% full scale

**Rated Excitation:**

5-10VDC (15V max.)

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Hermetically sealed

**Cable Length:**

15 ft (4.5 m) stainless overbraid

**Cable Diameter:**

0.200 overbraid cable

**Cable Color Code:**

Green .....+ Excitation

Black.....- Excitation

White .....+ Signal

Red .....- Signal

Yellow ..... Shield

**Warranty:**

Two-year limited warranty

**Approvals:****Dimensions**

RATED CAPACITY	H1	H2	H3	H5	H7	H8	D1	D2
<b>lb/in</b>								
30,000 kg	5.51	2.76	1.02	0.51	1.55	3.31	1.55	3.19
<b>lb/in</b>								
100,000 lb	7.01	3.50	1.26	0.67	1.73	3.71	1.73	3.90

**Order Information: RL70510**

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
30,000 kg	169363	6 lb	\$965.00
Upper load cup	169364	4 lb	95.00
Lower load cup	170731	4 lb	95.00

**Interchangeable Products**

MANUFACTURER	PART #	MODEL
Fairbanks®	70510	LCF HR 4020-2A
Fairbanks	80453	LCF HR 4020-21

**Order Information: RL80453**

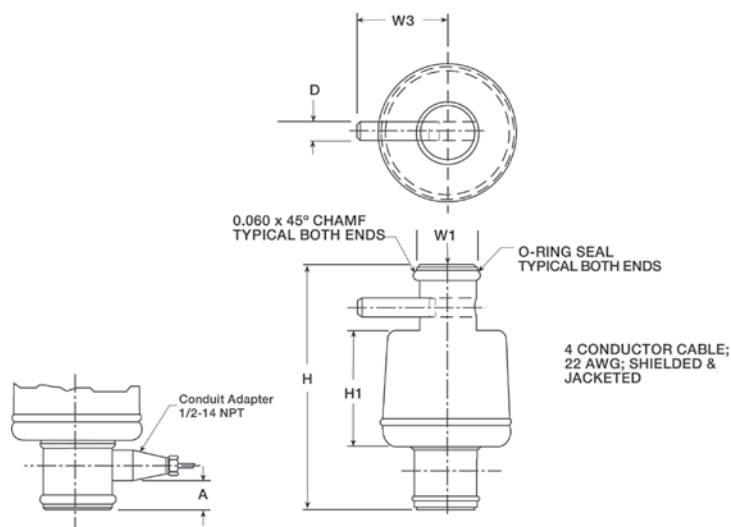
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
100,000 lb	169365	6 lb	\$995.00
Upper load cup	169366	4 lb	95.00
Lower load cup	170732	4 lb	95.00

# RL75114-50K

Rocker Column, Stainless Steel Welded Seal, IP67, NTEP Certified 1:10,000 Class III L



Picture is a representation of actual product



## Specifications

### Full Scale Output:

1.8 mV/v nominal

### Output Resistance:

1,000 ( $\pm 10$ ) ohms

### Input Resistance:

1,000 ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated Range

14°F-104°F/-10°C-40°C

Operating range

-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC

### Combined Error:

0.025% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

1,000 megohms

### Seal Type:

Welded Seal IP67

### Cable Length:

30 ft (9 m)

### Cable Diameter:

0.200 overbraid cable

### Cable Color Code:

Green ..... + Excitation

Black ..... - Excitation

White ..... + Signal

Red ..... - Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	D	H	H1	W1	W3
<b>lb/inches</b>						
50,000 LE*	0.87	0.38	7.56	2.82	1.46	2.18
<b>kg/mm</b>						
22,680.0	15.6	9.7	192.0	71.6	37.08	63.5

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb (22,679.6 kg)	88074	6 lb	\$1,195.00
Replacement O-ring	92988	1 lb	1.00
Spring pin	116181	1 lb	5.00

\* LE refers to large envelope

Not interchangeable with Sensortronics 65114 - different mV/v

## Interchangeable Products

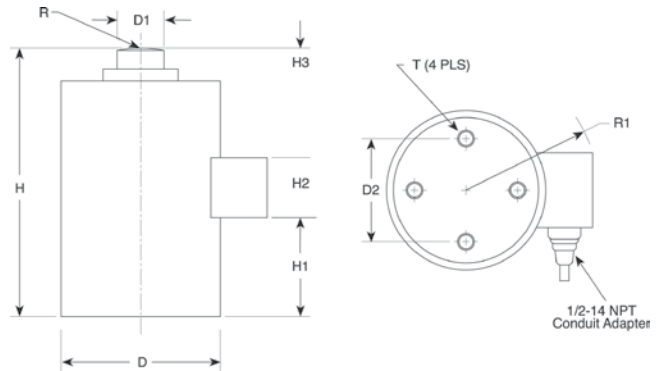
MANUFACTURER	PART #	MODEL
Fairbanks	64166	LCFHR4020-2

# RL8C2P1SS

Compression Canister, Stainless Steel Hermetically sealed, IP68, NTEP Certified 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3.5$ ) ohms

### Output Resistance:

350 ( $\pm 3.5$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Non-repeatability:

0.01% full scale

### Combined Error:

0.03% full scale

### Insulation Resistance:

1,000 megohms

### Deflection at Capacity:

50,000 lb=0.004 in (0.102 mm)  
100,000 lb=0.006 in (0.152 mm)  
200,000 lb=0.009 in (0.228 mm)

### Seal Type:

Hermetically sealed, IP68

### Cable Length:

35 ft (10.7 m)

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Orange ..... Shield

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	D	D1	D2	H	H1	H2	H3	R	R1	T
<b>lb/inches</b>										
50,000	4.50	1.25	2.38	7.50	1.17	0.75	0.75	8.00	3.75	3/8-24 UNF-2B x .63 D
100,000	5.75	1.75	4.00	9.13	2.00	0.87	1.05	12.00	4.05	1/2-20 UNF-2B x .75 D
200,000	7.50	2.50	5.50	11.63	2.93	0.97	0.97	12.00	5.11	5/8-18 UNF-2B x 25.4 D
<b>kg/mm</b>										
22,679.6	114.3	31.8	53.4	190.5	77.7	19.1	19.1	203.2	95.3	3/8-24 UNF-2B x .63 D
45,359.2	146.1	44.5	101.6	231.9	66.0	22.1	26.6	304.8	102.9	1/2-20 UNF-2B x .75 D
90,718.5	190.5	63.5	139.7	295.4	100.0	24.6	24.6	304.8	129.8	5/8-18 UNF-2B x 25.4 D

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg)	34855	20 lb	\$2,195.00
100,000 lb	(45,359.2 kg)	34856	36 lb	2,195.00
200,000 lb	(90,718.5 kg)	34857	75 lb	3,395.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Revere®	792	293

# RL90000

Compression\* Disk, Alloy Steel, IP67

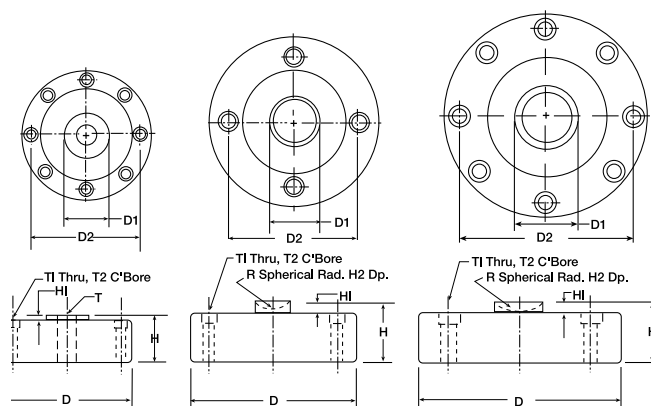


25K shown



5K shown

Picture is a representation of actual product  
Load cup sold separately on 5,000 and 10,000 lb models.



## Specifications

### Full Scale Output:

4.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms (5,000 lb-50,000 lb)

700 ( $\pm 5$ ) ohms (100,000 lb)

### Input Resistance:

385 ( $\pm 5$ ) ohms (5,000 lb-50,000 lb)

770 ( $\pm 70$ ) ohms (100,000 lb)

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range

-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

15 VDC (15 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

50 ft (15.2 m)

### Cable Diameter:

0.200 polyurethane jacket (5,000 lb-25,000 lb)

0.305 polyurethane jacket (50,000 lb-100,000 lb)

### Cable Color Code:

Red .....+ Excitation

Black.....- Excitation

Green .....+ Signal

White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	T	R	D	D1	D2	H	H1	H2	T1	T2
<b>lb/inches</b>										
5,000*-10,000*	5/8-18 UNF-3B	—	4.12	1.26	3.50	1.37	0.12	—	0.28	0.406 x 0.283 DP
25,000-50,000	—	0.875	4.75	1.53	4.00	2.12	0.50	0.30	0.34	0.508 x 0.38 DP
100,000	—	0.875	5.50	1.98	4.60	2.25	0.25	0.30	0.41	0.626 x 0.4 DP
<b>kg/mm</b>										
2,268.0*-4,539.9*	5/8-18 UNF-3B	—	104.6	32.0	88.9	34.8	3.05	7.6	7.2	10.3 x 7.2 DP
11,339.8-22,679.7	—	22.2	120.7	38.9	101.6	53.8	12.7	7.6	8.7	12.9 x 9.7 DP
45,359.4	—	22.2	139.7	50.4	116.8	57.2	6.4	7.6	10.3	10.3 x 10.2 DP

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb* (2,268.0 kg)	33061	6 lb	\$650.00
10,000 lb* (4,535.9 kg)	33062	6 lb	650.00
25,000 lb (11,339.8 kg)	33063	9 lb	795.00
50,000 lb (22,679.7 kg)	33064	9 lb	795.00
100,000 lb (45,359.4 kg)	33065	13 lb	935.00
Load Cup**	33616		35.00

\*5,000 lb and 10,000 lb models can be used in compression and tension load applications.

\*\*Load cup, PN 33616, is required for compression applications on 5,000 lb and 10,000 lb capacity load cells.

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Celtron®	LCD	217

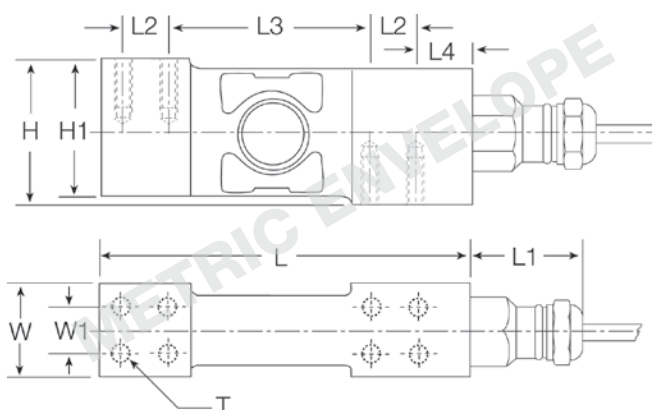


## RLPC6

Single Point, Stainless Steel NTEP Certified 1:5000 Class III Single Cell, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mv/v

### Output Resistance:

960 ( $\pm 50$ ) ohms, nominal

### Input Resistance:

1,100 ( $\pm 50$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14° F to 104° F / -10° C to 40° C  
Operating range  
-40° F to 150° F / -40° C to 65° C

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC

### Total Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Hermetically sealed, IP69K

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow .....- Shield

### Max Deflection

0.006-0.010

### Max Platform Size:

24 in x 24 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	W	W1	T
<b>lb/inches</b>										
22-441.0	1.89	1.80	4.84	1.61	0.60	2.66	0.70	1.18	0.60	8 x M6/15 DP
<b>kg/mm</b>										
10-200	48.0	45.5	123.0	41.0	15.2	67.6	17.8	30.1	15.2	8 x M6/15 DP

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22 lb)	87027	3 lb	\$595.00
20 kg (44.1 lb)	87028	3 lb	595.00
50 kg (110.2 lb)	87029	3 lb	595.00
100 kg (220.5 lb)	87030	3 lb	595.00
200 kg (441.0 lb)	87031	3 lb	595.00

## Interchangeable Products

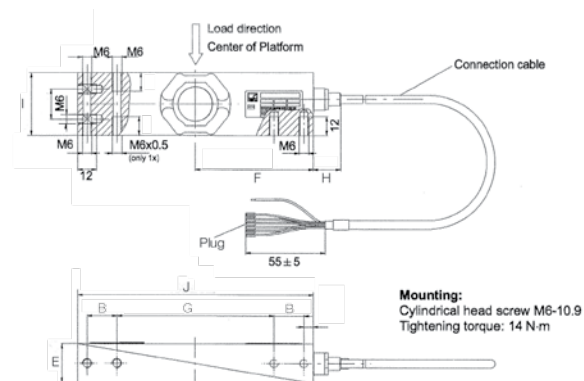
MANUFACTURER	MODEL	PAGE #
Flintec®	PC6	235

## RLPWM15HE

Single Point, Stainless Steel IP69K, Hermetically sealed, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

350 ( $\pm 10$ ) ohms

**Input Resistance:**

380 ( $\pm 15$ ) ohms

**Material/Finish:**

Stainless Steel

**Temperature:**

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.02% full scale

**Insulation Resistance:**

1,000 megohms

**Seal Type:**

Hermetically sealed, IP69K

**Cable Length:**

3.1 m (10 ft)  
0.86 m (2.83 ft)

**Cable Diameter:**

0.212 PVC jacket

**Cable Color Code:**

Blue ..... + Excitation  
Black ..... - Excitation  
Green ..... + Sense  
Grey ..... - Sense  
White ..... + Signal  
Red ..... - Signal

**Warranty:**

Two-year limited warranty

**Approvals:**


### Dimensions

RATED CAPACITY	B	E	F	G	H	I	J
<b>lb/inches</b>							
22-220.5	0.75	0.98	2.95	3.94	0.69	1.57	5.91
<b>kg/mm</b>							
10-100	19.00	25.00	75.00	100.00	17.5	40.00	150.00

### Order Information: 10 ft cables

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22.0 lb)	108685	3 lb	\$595.00
20 kg (44.1 lb)	108686	3 lb	595.00
50 kg (110.2 lb)	108687	3 lb	595.00
100 kg (220.5 lb)	108688	3 lb	595.00

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	PW15AH	258

### Order Information: 2.83 ft cables

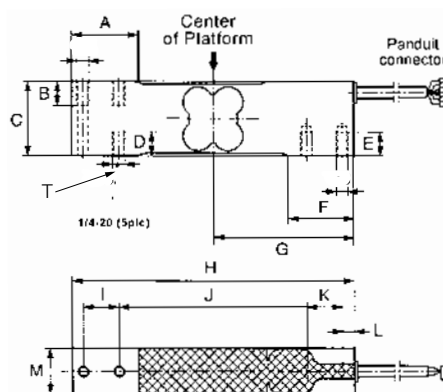
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22.0 lb)	107174	3 lb	\$595.00
20 kg (44.1 lb)	107175	3 lb	595.00
50 kg (110.2 lb)	107176	3 lb	595.00
100 kg (220.5 lb)	107177	3 lb	595.00

# RLPWM15

Single Point, Stainless Steel, NTEP Certified IP67, 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Bridge Resistance:**  
350 ohms, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.02% full scale

**Insulation Resistance:**  
1,000 megohms

**Deflection:**  
0.2 mm (0.007 in)

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
3.1 m (10 ft)

**Cable Diameter:**  
0.190 PVC jacket

### Cable Color Code:

Blue .....+ Excitation  
Black.....- Excitation  
Green.....+ Sense  
Gray.....- Sense  
White.....+ Signal  
Red.....- Signal

**Warranty:**  
Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L	M	T
<b>lb/inches</b>														
22.1 - 330.7	1.37	0.51	1.57	0.51	0.51	1.37	2.95	5.90	0.74	3.93	0.74	0.24	0.98	1/4-20
<b>kg/mm</b>														
10 - 150	35.00	13.00	40.00	13.00	13.00	35.00	75.00	150.00	19.00	100.00	19.00	6.2	25.00	1/4-20

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg	(22.1 lb) 119904	1 lb	\$295.00
15 kg	(33.1 lb) 119912	1 lb	295.00
20 kg	(44.1 lb) 119905	1 lb	295.00
30 kg	(66.2 lb) 119906	1 lb	295.00
50 kg	(110.3 lb) 119908	1 lb	295.00
75 kg	(165.3 lb) 119909	1 lb	295.00
100 kg	(220.5 lb) 119910	1 lb	295.00
150 kg	(330.7 lb) 119911	1 lb	295.00

## Interchangeable Products

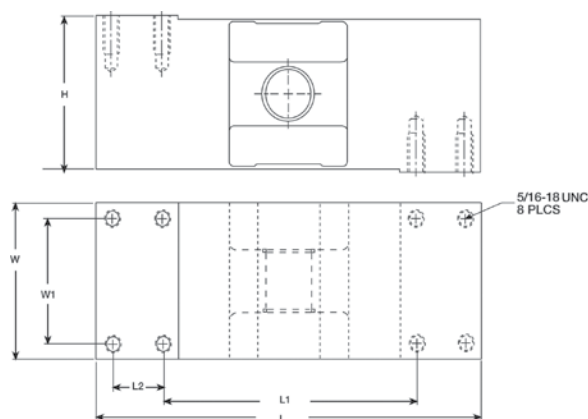
MANUFACTURER	MODEL	PAGE #
HBM®	PW15	256

## RLPCBC-60

Single Point, Stainless Steel NTEP Certified 1:5000 Class III Single Cell, Hermetically Sealed IP69K



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

2 mv/v

**Output Resistance:**

960 ( $\pm 50$ ) ohms

**Input Resistance:**

1,100 ( $\pm 50$ ) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range:  
14° F to 104° F / -10° C to 40° C  
Operating range  
-40° F to 150° F / -40° C to 65° C

**Safe Overload:**

200% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC

**Total Error:**

0.020% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Hermetically sealed, IP69K

**Cable Length:**

10 ft (3 m)

**Cable Diameter:**

0.196 polyurethane jacket

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield  
Blue .....+ Sense  
Brown .....- Sense

**Max Platform Size:**

24 x 24 in

**Warranty:**

Two-year limited warranty

**Approvals:**


### Dimensions

RATED CAPACITY	L	L1	L2	W	W1	H
<b>lb/inches</b>						
110.3-2,205	7.50	4.21	1.38	2.90	1.97	2.90
<b>kg/mm</b>						
50-1,000	190.5	107.00	35.00	73.7	50.00	73.7

### Order Information

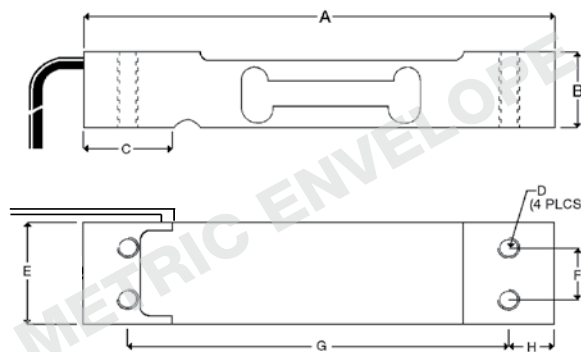
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50 kg	(110.3 lb)	87022	12 lb	\$850.00
100 kg	(220.5 lb)	87023	12 lb	850.00
250 kg	(551.3 lb)	87024	13 lb	850.00
500 kg	(1,102.5 lb)	87025	13 lb	850.00
1,000 kg	(2,205 lb)	87026	15 lb	850.00

# RL1521A

Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

410 ( $\pm 15$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.03% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

1.50 ft (0.5 m)

10 ft (3.1 m)

### Cable Diameter:

0.14 PVC jacket

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
Red ..... + Signal  
White ..... - Signal

### Max Platform Size:

13.75 in x 13.75 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H
<b>lb/inches</b>								
6.6-15.4	5.12	0.87	0.99	M6 x 1.0	1.00	0.59	4.17	0.47
22.0-66.2	5.12	0.87	0.99	M6 x 1.0	1.18	0.59	4.17	0.47
77.2	5.12	0.87	0.99	M6 x 1.0	1.57	0.59	4.17	0.47
<b>kg/mm</b>								
3-7	130.0	22.0	25.0	M6 x 1.0	25.4	15.0	106.0	12.0
10-30	130.0	22.0	25.0	M6 x 1.0	30.0	15.0	106.0	12.0
35	130.0	22.0	25.0	M6 x 1.0	40.0	15.0	106.0	12.0

## Order Information:

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>1.50ft Cables</b>				
3 kg	(6.6 lb)	50620	1 lb	\$140.00
5 kg	(11 lb)	50619	1 lb	140.00
7 kg	(15.4 lb)	50621	1 lb	140.00
10 kg	(22 lb)	50622	1 lb	140.00
15 kg	(33.1 lb)	50623	1 lb	140.00
20 kg	(44.1 lb)	50624	1 lb	140.00
30 kg	(66.1 lb)	50625	1 lb	140.00
35 kg	(110.2 lb)	50626	1 lb	140.00
<b>10ft Cables</b>				
3 kg	(6.6 lb)	132261	3 lb	140.00
5 kg	(11 lb)	132262	3 lb	140.00
7 kg	(15.4 lb)	132263	3 lb	140.00
10 kg	(22 lb)	132264	3 lb	140.00
15 kg	(33.1 lb)	132265	3 lb	140.00
20 kg	(44.1 lb)	132266	3 lb	140.00
30 kg	(66.1 lb)	132267	3 lb	140.00
35 kg	(110.2 lb)	132268	3 lb	140.00

## Interchangeable Products

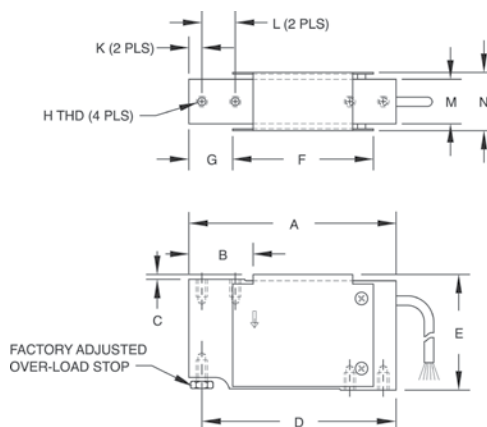
MANUFACTURER	MODEL	PAGE #
VPG Celtron®	LPS except 3 kg	213
VPG BLH®	C2G1	—
Fairbanks®	4900 Series Checkweighers	—
NMB®	C2G1	—
VPG Teda-Huntleigh®	1022	338
Artech®	61022	—

# RL1010

Potted and Unpotted Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 (± 3) ohms, nominal

### Input Resistance:

415 (± 15) ohms5

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% at center of loading point, full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

3 kg-90 kg=0.015 in (0.4 mm)

### Seal Type:

Potted and unpotted models available

### Cable Length:

Potted 3.1 m (10 ft)  
Unpotted 0.9 m (3 ft)

### Cable Diameter:

0.200/PVC jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

### Max Platform Size:

15.75 x 15.75 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	K	L	M	N
<b>lb/inches</b>												
6.6-198.4	4.65	1.34	0.12	4.35	2.60	3.15	0.98	1/4-20 UNC x 0.50 DP	0.30	0.75	1.00	1.32
<b>kg/mm</b>												
3-90	118.1	34.00	3.00	110.5	66.00	80.00	25.00	1/4-20 UNC x 13 DP	7.5	19.1	25.4	33.5

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>Non-NTEP Certified, Potted</b>				
7 kg	(15.4 lb)	17529	2 lb	\$195.00
10 kg	(22 lb)	17530	2 lb	195.00
15 kg	(33.1 lb)	17531	2 lb	195.00
20 kg	(44.1 lb)	17532	2 lb	195.00
30 kg	(66.1 lb)	17533	2 lb	195.00
50 kg	(110.2 lb)	17534	2 lb	195.00
90 kg	(198.4 lb)	17535	2 lb	195.00
<b>Non-NTEP Certified, Unpotted</b>				
3 kg	(6.6 lb)	17527	1 lb	180.00
5 kg	(11.0 lb)	17528	1 lb	180.00
<b>NTEP Certified 1:5000, Potted</b>				
10 kg	(22.1 lb)	50819	2 lb	195.00
15 kg	(33.1 lb)	50820	2 lb	195.00
20 kg	(44.1 lb)	50821	2 lb	195.00
30 kg	(66.1 lb)	50822	2 lb	195.00
50 kg	(110.2 lb)	50823	2 lb	195.00

## Interchangeable Products

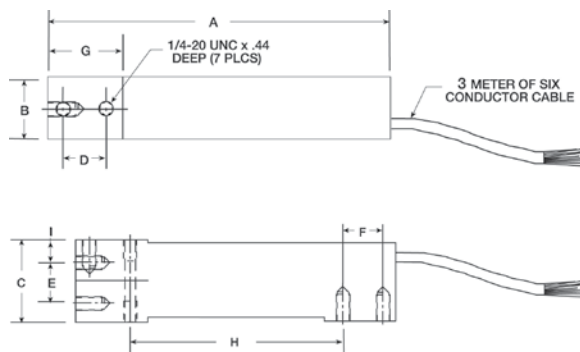
MANUFACTURER	MODEL	PAGE #
VPG Tedeo-Huntleigh®	1010	339

# RLSP4

Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

350 ohms

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

5 kg-100 kg=0.4 mm (0.015 in)

### Seal Type:

Environmentally sealed

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.19/PVC jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal  
Yellow ..... Shield

### Max Platform Size:

3 kg-10 kg (12 in x 12 in)  
15 kg-30 kg (18 in x 18 in)  
50 kg-100 kg (24 in x 24 in)

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I
<b>lb/inches</b>									
11.0-220.5	5.92	1.00	1.57	0.75	0.75	0.75	1.33	3.92	0.45
<b>kg/mm</b>									
5-100	150.3	25.4	39.9	19.1	19.1	19.1	33.8	99.6	11.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5 kg* (11.0 lb)	91724	2 lb	\$180.00
7 kg (15.4 lb)	91725	3 lb	180.00
10 kg (22.1 lb)	91726	3 lb	180.00
15 kg (33.1 lb)	91727	3 lb	180.00
20 kg (44.1 lb)	91728	3 lb	180.00
30 kg (66.2 lb)	91729	4 lb	180.00
50 kg (110.3 lb)	91730	4 lb	180.00
75 kg (165.3 lb)	91731	3 lb	180.00
100 kg (220.5 lb)	91732	4 lb	180.00

\*Non NTEP Certified

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	SP4	254

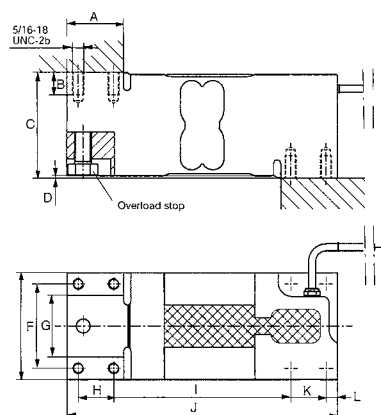


# RLPWM12

Single Point, Aluminum IP67, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0mV/V <b>Output Resistance:</b> 330-450 ohms, nominal <b>Input Resistance:</b> 300-500 ohms <b>Material/Finish:</b> Aluminum <b>Temperature:</b> Compensated temperature range 14°F to 104°F/-10°C to 40°C Operating range -40°F to 150°F/-40°C to 65°C	<b>Safe Overload:</b> 150% full scale <b>Rated Excitation:</b> 5-10 VDC (15 V maximum) <b>Total Error:</b> 0.02% full scale <b>Insulation Resistance:</b> 1,000 megohms <b>Seal Type:</b> Environmentally sealed, IP67 <b>Cable Length:</b> 3.1 m (10 ft)	<b>Cable Diameter:</b> 0.190/PVC jacket <b>Cable Color Code:</b> Green .....+ Excitation Black.....- Excitation Blue .....+ Sense Brown .....- Sense Red .....+ Signal White .....- Signal <b>Warranty:</b> Two-year limited warranty	<b>Max Platform Size:</b> 30 x 30 in <b>Approvals:</b> 
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## Dimensions

RATED CAPACITY	A	B	C	D	E	F	H	I	J	K	L
<b>lb/inches</b>											
110.2-2,205.0	1.57	0.62	2.95	0.05	2.99	2.36	0.98	4.92	7.51	0.98	0.31
<b>kg/mm</b>											
50-1,000	40.00	16.00	75.00	1.5	76.00	60.00	25.00	125.00	191.00	25.00	8.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	91674	6 lb	\$300.00
75 kg (165.4 lb)	91675	6 lb	300.00
100 kg (220.5 lb)	91676	6 lb	300.00
150 kg (330.7 lb)	91677	6 lb	300.00
200 kg (440.9 lb)	91678	6 lb	300.00
250 kg (551.2 lb)	91679	6 lb	300.00
300 kg (661.4 lb)	91680	6 lb	300.00
500 kg (1,102.3 lb)	91681	6 lb	300.00
635 kg (1,400.1 lb)	91682	6 lb	300.00
1,000 kg (2,205.0 lb)	91683	6 lb	300.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	PW12*	255
VPG Tedeia-Huntleigh®	1250	352
Rice Lake Weighing Systems	RL1250	184

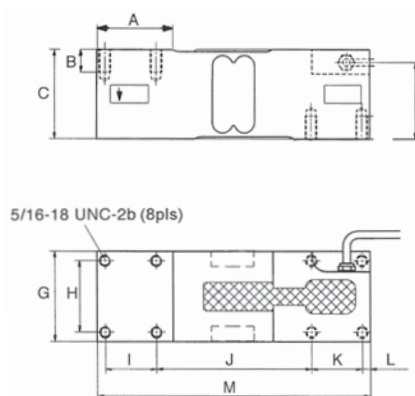
\*Color code is different

# RLPWM16

Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

300-500 ohms

### Input Resistance:

300-500 ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range

14°F to 104°F/-10°C to 40°C

Operating range

-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

1,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.190/PVC jacket

### Max Platform Size:

24 in x 24 in

### Cable Color Code:

Green .....+ Excitation

Black.....- Excitation

Blue .....+ Sense

Brown .....- Sense

Red .....+ Signal

White .....- Signal

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	F	G	H	I	J	K	L	M
<b>lb/inches</b>											
110.2-1,455.5	2.04	0.62	2.45	2.05	2.48	1.96	1.37	4.21	1.37	0.21	7.40
<b>kg/mm</b>											
50-635	52.00	16.00	62.3	52.3	63.00	50.00	35.00	107.00	35.00	5.5	188.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	91684	5 lb	\$275.00
75 kg (165.4 lb)	91686	5 lb	275.00
100 kg (220.5 lb)	91687	5 lb	275.00
150 kg (330.7 lb)	91688	5 lb	275.00
200 kg (440.9 lb)	91689	5 lb	275.00
250 kg (551.2 lb)	91690	5 lb	275.00
300 kg (661.4 lb)	91691	5 lb	275.00
500 kg (1102.3 lb)	91692	5 lb	275.00
635 kg (1,455.5 lb)	91693	5 lb	275.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	PW16*	257
VPD TedeA-Huntleigh®	1260	349
Rice Lake Weighing Systems	RL1260	183

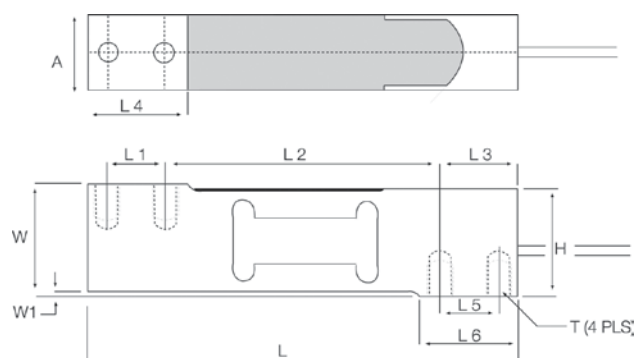
\*Color code is different

# RL1042

Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

150% full scale  
Over-center loading point

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Deflection at Capacity:

1 kg-100 kg=0.4 mm (0.015 in)

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.20/PVC jacket

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ..... - Sense  
Red ..... + Signal  
White ..... - Signal

### Max Platform Size:

15.75 x 15.75 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
<b>lb/inches</b>												
2.2-66.1	0.787	1.54	5.91	0.75	3.937	0.984	1.339	0.75	1.339	1.575	0.040	1/4-20 UNC-2B
110.2-220.5	0.992	1.54	5.91	0.75	3.937	0.984	1.339	0.75	1.339	1.575	0.040	1/4-20 UNC-2B
<b>kg/mm</b>												
1-30	20.00	39.00	150.00	19.00	100.00	25.00	34.00	19.00	34.00	40.00	1.00	1/4-20 UNC-2B
50-100	25.2	39.00	150.00	19.00	100.00	25.00	34.00	19.00	34.00	40.00	1.00	1/4-20 UNC-2B

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1 kg (2.2 lb)	40955	1 lb	\$180.00
3 kg (6.6 lb)	40956	1 lb	180.00
5 kg (11.0 lb)	40957	1 lb	180.00
10 kg (22.0 lb)	40958	1 lb	180.00
15 kg (33.1 lb)	40959	1 lb	180.00
20 kg (44.1 lb)	40960	1 lb	180.00
30 kg (66.1 lb)	40961	1 lb	180.00
50 kg (110.2 lb)	40962	2 lb	180.00
75 kg (165.4 lb)	40963	2 lb	180.00
100 kg (220.5 lb)	40964	2 lb	180.00

## Interchangeable Products

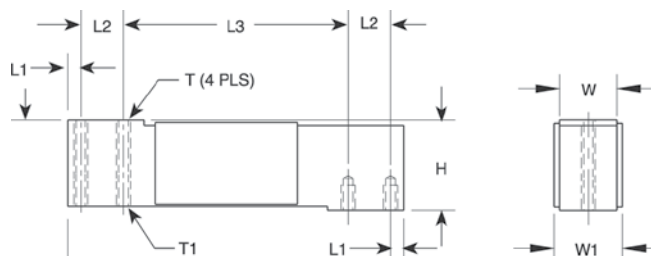
MANUFACTURER	MODEL	PAGE #
VPG Tedeo-Huntleigh®	1042	341
HBM®	SP4	254
Flintec®	PC 42	—
Rice Lake Weighing Systems	RLSP4	

# RL1040

Potted & Unpotted Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 5$ ) ohms

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range

14°F to 104°F/-10°C to 40°C

Operating range

-40°F to 150°F/-40°C to 65°C

### Safe Overload:

200% at center loading point,  
full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Deflection at Capacity:

3 kg-100 kg=0.4 mm (0.015 in)

### Seal Type:

Environmentally sealed, potted and  
unpotted models

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.20/PVC jacket

### Cable Color Code:

Green ..... + Excitation

Black ..... - Excitation

Blue ..... + Sense

Brown ..... - Sense

Red ..... + Signal

White ..... - Signal

### Max Platform Size:

15.75 in x 15.75 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	L	L1	L2	L3	T	T1	W	W1
<b>lb/inches</b>									
11-220.5	1.57	5.91	0.23	0.75	3.94	1/4-20 UNC x 0.39 DP	1/4-28 UNF x 0.39 DP	1.00	1.16
<b>kg/mm</b>									
5-100	40.0	150.0	5.95	19.05	100.0	1/4-20 UNC x 10 DP	1/4-28 UNF x 10 DP	25.4	29.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:5000, Unpotted</b>			
5 kg (11.0 lb)	32859	2 lb	\$190.00
<b>NTEP Certified 1:5000, Potted</b>			
7 kg (15.4 lb)	32860	2 lb	195.00
10 kg (22.1 lb)	32861	2 lb	195.00
15 kg (33.1 lb)	32862	2 lb	195.00
20 kg (44.1 lb)	32863	2 lb	195.00
30 kg (66.1 lb)	32864	2 lb	195.00
50 kg (110.2 lb)	32865	2 lb	195.00
100 kg (220.5 lb)	32866	2 lb	195.00

## Interchangeable Products

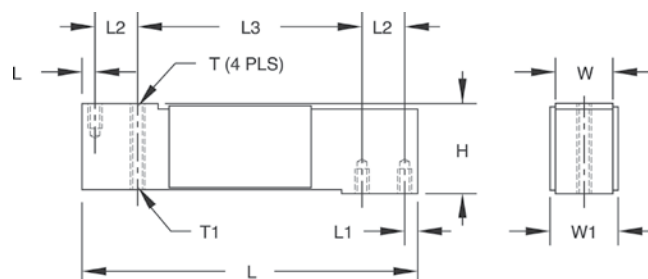
MANUFACTURER	MODEL	PAGE #
VPG Celtron®	LOC	214
VPG Teda-Huntleigh®	1040	343

# RL1140

Potted Single Point, Stainless Steel, IP65



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 ohms, nominal +/- 3

### Input Resistance:

415 ohms +/- 15

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F / -40° C to 65° C

### Safe Overload:

200% at center loading point,  
full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Deflection at Capacity:

15 kg-150 kg=0.4 mm (0.015 in)

### Seal Type:

Environmentally sealed, potted, IP65

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.20/PVC jacket

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ..... - Sense  
Red ..... + Signal  
White ..... - Signal

### Max Platform Size:

15.75 x 15.75 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	L	L1	L2	L3	T	T1	W	W1
<b>lb/inches</b>									
33.1-330.7	1.57	5.91	0.23	0.75	3.94	1/4-20 UNC x 0.39 DP	1/4-28 UNF x 0.39 DP	1.00	1.16
<b>kg/mm</b>									
15-150	40.00	150.00	5.95	19.05	100.00	1/4-20 UNC x 10 DP	1/4-28 UNF x 10 DP	25.4	29.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
15 kg (33.1 lb)	17544	3 lb	\$320.00
30 kg (66.1 lb)	17545	3 lb	320.00
50 kg (110.2 lb)	17546	3 lb	320.00
75 kg (165.4 lb)	17547	3 lb	320.00
100 kg (220.5 lb)	17548	3 lb	320.00
150 kg (330.7 lb)	36467	3 lb	320.00

## Interchangeable Products

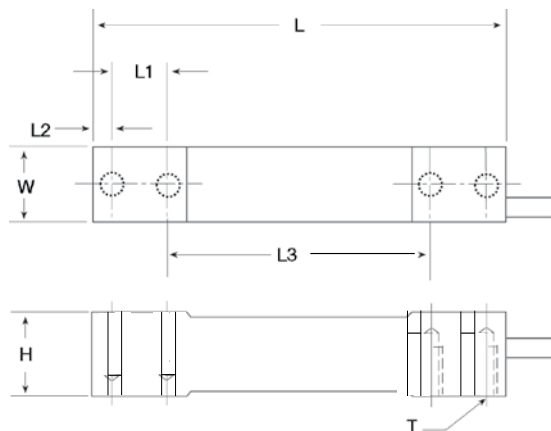
MANUFACTURER	MODEL	PAGE #
VPD Tedeo-Huntleigh®	1140	345

# RL1380

Single Point, Stainless Steel NTEP Certified 1:3000 Class III Single Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
350 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10VDC (15V maximum)

**Combined Error:**  
0.03% full scale

**Insulation Resistance:**  
1,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
3.1 m (10 ft)

**Cable Diameter:**  
0.190 polyurethane jacket

**Cable Color Code:**  
Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
Yellow ..... Shield

**Deflection:**  
<0.4 mm Full scale

**Max Platform Size:**  
15.75 in x 15.75 in

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	W	L	L1	L2	L3	T	H
<b>lb/inches</b>							
15.4-33.1	0.75	5.50	0.75	0.25	3.50	1/4-20 UNC	1.19
66.1-132.3	0.94	5.50	0.75	0.25	3.50	1/4-20 UNC	1.19
<b>kg/mm</b>							
7-15	19.1	139.7	19.1	6.4	88.9	1/4-20 UNC	30.2
30-60	23.9	139.7	19.1	6.4	88.9	1/4-20 UNC	30.2

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
7 kg	(15.4 lb) 30783	2 lb	\$295.00
10 kg	(22.0 lb) 30782	2 lb	295.00
15 kg	(33.1 lb) 30781	2 lb	295.00
30 kg	(66.1 lb) 30780	2 lb	295.00
60 kg	(132.3 lb) 30779	2 lb	295.00

## Interchangeable Products

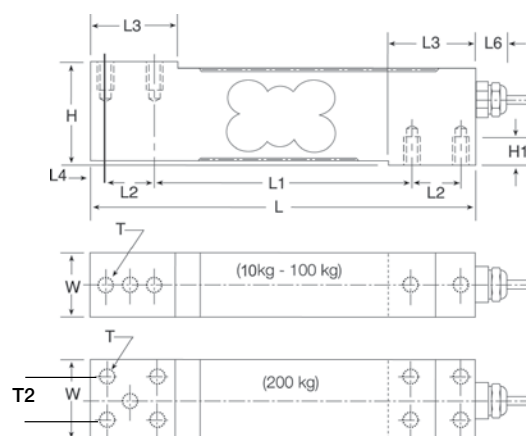
MANUFACTURER	MODEL	PAGE #
HBM®	PWS	259

## RL1385

Single-Point, Stainless Steel NTEP Certified 1:4500 Class III Single Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
330 ( $\pm 25$ ) ohms

**Input Resistance:**  
340 ( $\pm 20$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F / -40° C to 65° C

**Safe Overload:**  
200% full scale

**Rated Excitation:**  
5 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
3.1 m (10 ft)

**Cable Diameter:**  
0.196 polyurethane jacket

**Cable Color Code:**  
Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
Yellow ..... Shield

**Max Platform Size:**  
18 in x 18 in

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	L6	W	T	T2
<b>lb/inches</b>											
13.2-220.5	1.57	0.40	5.90	3.93	0.75	1.26	0.24	0.79	1.00	1/4-20 x 0.75 DP	N/A
441.0	1.57	0.40	5.90	3.93	0.75	1.26	0.24	0.79	1.50	1/4-20 x 0.75 DP	1.00
<b>kg/mm</b>											
10-100	40.00	10.00	150.00	100.00	19.00	32.00	6.00	20.00	25.4	1/4-20 x 19.1 DP	N/A
200	40.00	10.00	150.00	100.00	19.00	32.00	6.00	20.00	38.1	1/4-20 x 19.1 DP	25.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22.0 lb)	41405	3 lb	\$295.00
15 kg (33.1 lb)	41233	3 lb	295.00
30 kg (66.1 lb)	41234	3 lb	295.00
50 kg (110.2 lb)	41235	3 lb	295.00
75 kg (165.4 lb)	41236	3 lb	295.00
<b>Non-NTEP Certified</b>			
100 kg (220.5 lb)	41237	3 lb	295.00
200 kg (441.0 lb)	41406	4 lb	440.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Flintec®	PC1	234

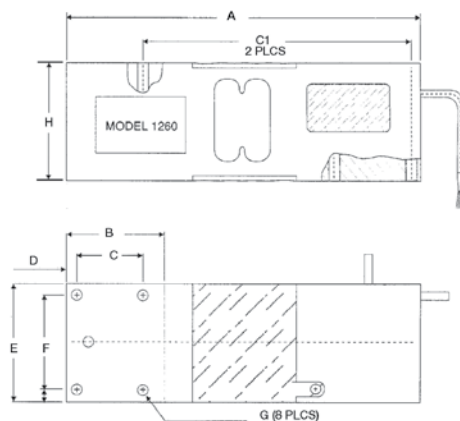


# RL1260

Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range  
14°F to 104°F/-10°C to 40°C  
Operating range  
-40°F to 150°F/-40°C to 65°C

### Safe Overload:

200% of full scale at center loading point

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.220 polyurethane jacket

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ..... - Sense  
Red ..... + Signal  
White ..... - Signal

### Max Platform Size:

24 in x 24 in

### Warranty:

Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	C1	D	E	F	G	H
<b>lb/inches</b>									
110.2-1,400.2	7.40	2.05	1.38	5.59	0.22	2.49	1.97	5/16-18 UNC-2B	2.45
<b>kg/mm</b>									
50-635	188.00	52.00	35.00	142.00	5.5	63.5	50.00	5/16-18 UNC-2B	62.3

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	41020	5 lb	\$310.00
75 kg (165.4 lb)	41021	5 lb	310.00
100 kg (220.5 lb)	41022	5 lb	310.00
150 kg (330.7 lb)	158469	5 lb	310.00
200 kg (440.9 lb)	41023	5 lb	310.00
250 kg (551.2 lb)	41024	5 lb	310.00
300 kg (661.4 lb)	41025	5 lb	310.00
500 kg (1,102.3 lb)	41026	5 lb	310.00
635 kg (1,400.2 lb)	41027	5 lb	310.00

## Interchangeable Products

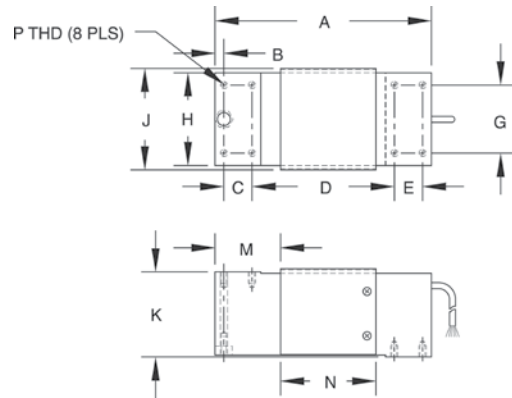
MANUFACTURER	MODEL	PAGE #
VPG Tedeo-Huntleigh®	1260	349
HBM®	PW16	257
Rice Lake Weighing Systems	RLPWM16	177

# RL1250

Potted Single Point, Aluminum NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0 mV/V	<b>Safe Overload:</b> 150% of full scale at center loading point	<b>Cable Length:</b> 3.1 m (10 ft)	<b>Warranty:</b> Two-year limited warranty
<b>Output Resistance:</b> 350 ( $\pm 3$ ) ohms	<b>Rated Excitation:</b> 5-10 V AC/DC (15 V maximum)	<b>Cable Diameter:</b> 0.220 polyurethane jacket	<b>Approvals:</b> F M I P C E
<b>Input Resistance:</b> 415 ( $\pm 15$ ) ohms	<b>Total Error:</b> 0.02% full scale	<b>Cable Color Code:</b> Green ..... + Excitation Black ..... - Excitation Blue ..... + Sense Brown ..... - Sense Red ..... + Signal White ..... - Signal	
<b>Material/Finish:</b> Anodized aluminum	<b>Insulation Resistance:</b> 2,000 megohms	<b>Max Platform Size:</b> 24 x 24 in	
<b>Temperature:</b> Compensated range 14°F to 104°F/-10°C to 40°C Operating range -40°F to 150°F/-40°C to 65°C	<b>Deflection at Capacity:</b> 50 kg-1000 kg=0.4 mm (0.015 in)		
	<b>Seal Type:</b> Environmentally sealed, potted		

## Dimensions

RATED CAPACITY	A	B	C	D	E	G	H	J	K	M	N	P
<b>lb/inches</b>												
110.2-2,205	7.52	0.31	0.98	4.92	0.98	2.36	2.95	3.23	2.95	2.26	3.35	5/16-18 UNC x 0.59 DP
<b>kg/mm</b>												
50-1,000	191.00	8.0	25.00	125.00	25.00	60.00	75.00	82.00	75.00	57.5	85.00	5/16-18 UNC x 15 DP

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	32849	7 lb	\$315.00
75 kg (165.4 lb)	32856	7 lb	315.00
100 kg (220.5 lb)	32855	7 lb	315.00
150 kg (330.7 lb)	32854	7 lb	315.00
200 kg (440.9 lb)	32853	7 lb	315.00
250 kg (551.2 lb)	32852	7 lb	315.00
300 kg (661.4 lb)	32851	7 lb	315.00
500 kg (1,102.3 lb)	32850	7 lb	315.00
635 kg (1,400 lb)	32857	7 lb	315.00
1,000 kg (2,205 lb)	32858	7 lb	315.00

## Interchangeable Products

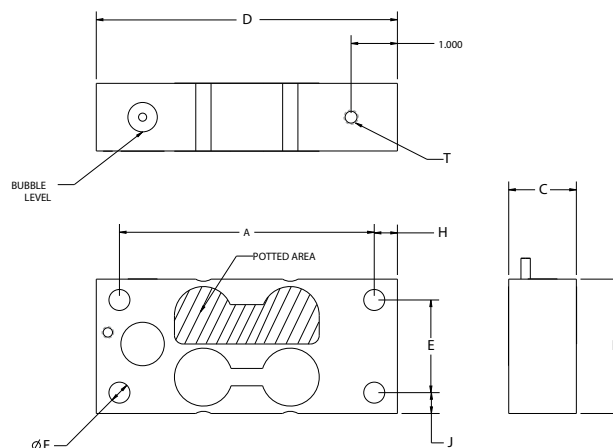
MANUFACTURER	MODEL	PAGE #
VPG Tedeá-Huntleigh®	1250	352
VPG Celtron®	LOC	214
Flintec®	PCB*	233
HBM®	PW12	255
Rice Lake Weighing Systems	RLPWM12	176

\*Stainless steel, hermetically sealed

Shim plate- PN 22264

# RLFLS

Potted Single Point, Stainless Steel



## Specifications

### Full Scale Output:

1.0 (± 10%) mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 10) ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range:  
-40° F to 150° F/-40° C to 65° C

### Safe Overload:

150% full scale

### Rated Excitation:

5-15 VDC

### Hysteresis:

0.02% R.O.

### Linearity:

0.02% R.O.

### Seal Type:

Potted, IP67

### Insulation Resistance:

5,000 megohms

### Cable Length:

10 ft (3.1 m)

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
Red ..... + Signal  
White ..... - Signal

### Warranty:

Two-year limited warranty

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	H	J	T
<b>lb/inches</b>									
50-75	5.50	2.90	0.735	6.50	2.00	0.453	0.50	0.45	5/16-18 UNC x 0.50
125-250	5.50	2.90	1.46	6.50	2.00	0.453	0.50	0.45	5/16-18 UNC x 0.50
625	7.00	3.75	1.91	8.00	2.75	0.520	0.50	0.50	—

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50 lb	22.7 kg	125612	3 lb	\$595.00
75 lb	34.0 kg	125613	3 lb	595.00
125 lb	56.9 kg	125614	6 lb	595.00
250 lb	113.4 kg	125616	6 lb	595.00
625 lb	283.4 kg	125617	12 lb	750.00

## Interchangeable Products

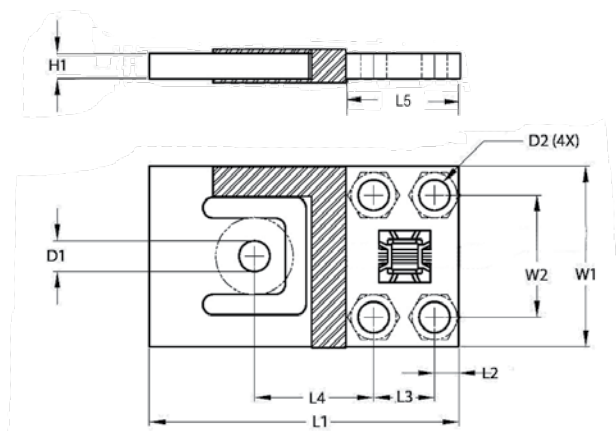
MANUFACTURER	MODEL
Avery Weigh-Tronix®	FLS

**RLBLP**

Planar Beam, Aluminum IP65



Picture is a representation of actual product

**Specifications****Full Scale Output:**

1 mV/V

**Output Resistance:**1,000 ( $\pm 10$ ) ohms**Input Resistance:**1,180 ( $\pm 50$ ) ohms**Material/Finish:**

Aluminum

**Temperature:**Operating range:  
-40° F to 150° F / -40° C to 65° C**Safe Overload:**

150% full scale

**Rated Excitation:**

5-15 VDC

**Combined Error:**

0.05% full scale

**Seal Type:**

Environmentally sealed, IP65

**Insulation Resistance:**

5,000 megohms

**Cable Length:**3.75 kg, 7.5 kg, 15 kg=1.0 m  
37.5 kg, 75 kg, 375 kg=1.5 m**Cable Color Code:**Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal**Warranty:**

Two-year limited warranty

**Dimensions**

RATED CAPACITY KG/MM	L1	L2	L3	L4	L5	W1	W2	H1	D1	D2
RLPB-15 kg-RS	70.00	4.9	14.00	28.00	23.7	39.00	27.8	4.1	7.6	5.1
RLPB-37.5 kg-RS	76.2	6.00	15.00	29.3	27.00	44.5	30.00	4.8	7.6	6.6
RLPB-75 kg-RS	84.4	6.4	15.00	34.00	27.7	54.8	30.00	6.4	7.6	6.6
RLPB-150 kg-RS	107.3	7.8	22.9	45.9	38.4	69.9	44.5	7.9	9.1	8.1

**Order Information**

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
15 kg	33.0 lb	100272	1 lb	\$80.00
37.5 kg	82.6 lb	104645	1 lb	85.00
75 kg	165.3 lb	100273	1 lb	90.00
150 kg	330.7 lb	100274	1 lb	95.00

**Interchangeable Products**

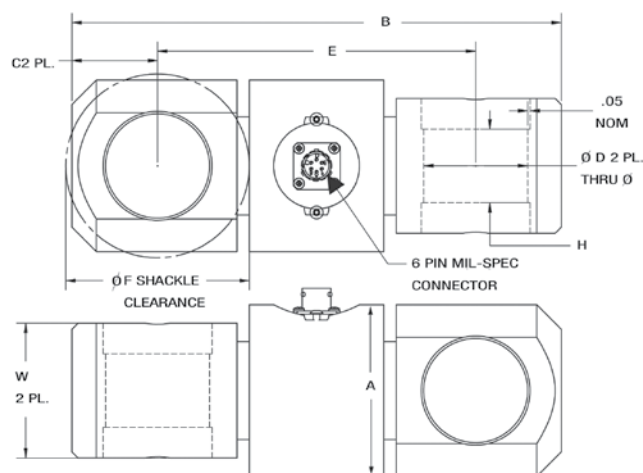
MANUFACTURER	MODEL	PAGE #
Flintec™	PB	238

# RL2010

Tension Link, Stainless Steel IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 ( $\pm 0.1\%$ ) mV/V

**Bridge Resistance:**  
350 ohms, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F/-40° C to 65° C

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Linearity:**  
0.05% full scale

**Repeatability:**  
0.03% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally IP67

**Cable Length:**  
40 ft polyurethane jacket\*

**Cable Color Code:**  
Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal

**Warranty:**  
Two-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	ØD	E	F	W	H
<b>lb/inches</b>								
5,000-10,000	2.00	6.50	1.00	1.05	4.50	2.38	1.37	0.075
25,000	2.75	8.00	1.38	1.55	5.25	2.88	2.00	1.00
50,000-75,000	3.25	14.00	2.50	2.31	9.00	5.00	3.00	1.75
100,000-150,000	4.00	16.00	2.88	2.88	10.25	6.25	4.00	2.00
200,000	6.00	18.00	3.25	3.38	11.50	6.50	4.75	2.38
250,000	6.50	20.00	3.75	3.88	12.50	7.50	5.00	2.75
300,000-500,000	7.50	24.00	4.50	4.31	15.00	9.50	5.40	3.00

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb	(2,268.0 kg)	117731	5 lb	\$1,195.00
10,000 lb	(4,535.9 kg)	117732	5 lb	1,195.00
25,000 lb	(11,334.8 kg)	117733	8 lb	1,395.00
50,000 lb	(22,679.6 kg)	117735	34 lb	2,495.00
75,000 lb	(34,019.4 kg)	117736	34 lb	2,495.00
100,000 lb	(45,359.4 kg)	117737	56 lb	2,695.00
150,000 lb	(68,038.9 kg)	117738	56 lb	2,695.00
200,000 lb	(90,718.5 kg)	117739	95 lb	4,895.00
250,000 lb	(113,398.0 kg)	117740	117 lb	5,295.00
300,000 lb	(136,077.7 kg)	117741	191 lb	7,500.00
500,000 lb	(226,796.2 kg)	117742	191 lb	7,500.00

40 ft cable with connector

## Shackles sold in pairs

LOAD RATING	PART #	PRICE
5,000-10,000 lb	83450	\$195.00
25,000 lb	83451	605.00
50,000 lb	83452	895.00
75,000 lb	119279	1,595.00
100,000 lb	83453	2,925.00
150,000-200,000 lb	83454	Consult
250,000 lb	83455	Consult
300,000 lb	83456	Consult

[illegible]

# Table of Contents

## Compression Canisters

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### C2P1, Alloy Steel



Single-column design with low deflection and trouble-free operation. High-alloy steel, epoxy coated for use in harsh environments. Compact and rugged. NTEP Certified capacities range from 20,000 lb to 200,000 lb (9071.9 kg to 90,718.5 kg); non-NTEP Certified capacity of 300,000 lb (136,078.1 kg). Complete with 10 ft (3.1 m) or 35 ft (10.7 m) of load cell cable.



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### C3P1, Alloy Steel



Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy coated for corrosion resistance. Compact and rugged. Capacities range from 500 lb to 10,000 lb (226.8 kg to 4,535.9 kg). Complete with 35 ft (10.7 m) of load cell cable.



## Tension Canisters

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### T2P1, Alloy Steel



Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy-coated construction yields trouble-free performance in harsh environments. Designed for high-capacity tension applications. Capacities of 20,000 lb and 50,000 lb (9,071.9 kg and 22,679.6 kg). Complete with 35 ft (10.7 m) of load cell cable.



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### T3P1, Alloy Steel



Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy-coated construction yields trouble-free performance in harsh environments. Designed for high-capacity tension applications. Capacities of 20,000 lb and 50,000 lb (9,071.9 kg and 22,679.6 kg). Complete with 35 ft (10.7 m) of load cell cable.





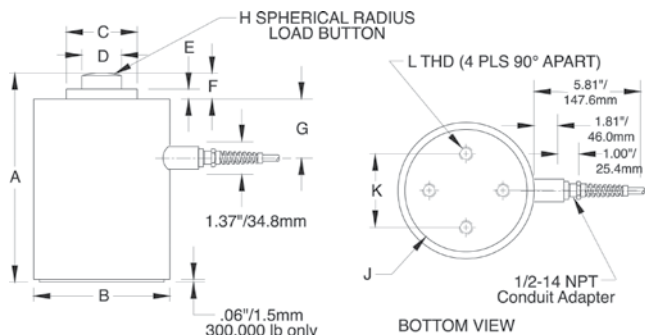
# C2P1

Compression Canister, Alloy Steel NTEP Certified 1:4500 Class IIIL Multiple Cell, IP67

New  
Lower Price



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3.5) ohms

### Input Resistance:

350 (± 3.5) ohms

### Material/Finish:

High-alloy steel, epoxy coated

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Seal Type:

NEMA Type 6 environmentally sealed,  
IP67

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (20 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

20,000 lb-30,000 lb=0.0075 in  
(0.191 mm)  
50,000 lb=0.0065 in (0.165 mm)  
100,000 lb=0.0075 in (0.191 mm)  
200,000 lb=0.0070 in (0.178 mm)  
300,000 lb=0.012 in (0.305 mm)

### Cable Length:

10 ft or 35 ft (3.0 m or 10.7 m)

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

Three-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/inches</b>											
20,000-50,000	7.50	4.50	2.25	1.25	0.50	0.75	2.50	6.00	—	2.38	3/8-24 UNF-2 x 3/8 DP
100,000	9.13	6.00	3.13	1.75	0.63	1.06	2.50	12.00	—	4.00	1/2-20 UNF-2B x 3/4 DP
200,000	11.63	8.00	4.50	2.50	0.63	1.06	3.50	12.00	—	5.50	5/8-18 UNF-2B x 1 DP
300,000	14.00	10.00	5.00	3.00	0.75	1.31	4.31	15.00	8.00	5.50	3/4-16 UNF-2B x 1 1/4 DP
<b>kg/mm</b>											
9,071.9-22,679.6	190.5	114.3	57.2	31.8	12.7	19.1	63.5	152.4	—	60.3	3/8-24 UNF-2 x 3/8 DP
45,359.2	231.8	152.4	79.4	44.5	15.9	27.0	63.5	304.8	—	101.6	1/2-20 UNF-2B x 3/4 DP
90,718.5	295.3	203.2	114.3	63.5	15.9	27.0	88.9	304.8	—	139.7	5/8-18 UNF-2B x 1 DP
136,078.1	295.3	203.2	114.3	63.5	19.1	27.0	109.5	304.8	203.2	139.7	3/4-16 UNF-2B x 1 1/4 DP

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:4500, 10 ft Cables</b>			
20,000 lb (9,071.9 kg)	21625	25 lb	\$2,695.00
50,000 lb (22,679.6 kg)	21626	25 lb	2,895.00
100,000 lb (45,359.2 kg)	21627	50 lb	2,995.00
200,000 lb (90,718.5 kg)	21628	110 lb	4,095.00
<b>NTEP Certified 1:4500, 35 ft Cables</b>			
20,000 lb (9,071.9 kg)	21630	25 lb	2,795.00
50,000 lb (22,679.6 kg)	21632	25 lb	3,095.00
100,000 lb (45,359.2 kg)	21633	50 lb	3,295.00
200,000 lb (90,718.5 kg)	21634	110 lb	4,195.00
<b>Non-NTEP Certified, 10 ft Cables</b>			
300,000 lb (136,078.1 kg)	17670	180 lb	8,395.00
<b>Non-NTEP Certified, 35 ft Cables</b>			
300,000 lb (136,078.1 kg)	17671	190 lb	8,495.00

## Interchangeable Products

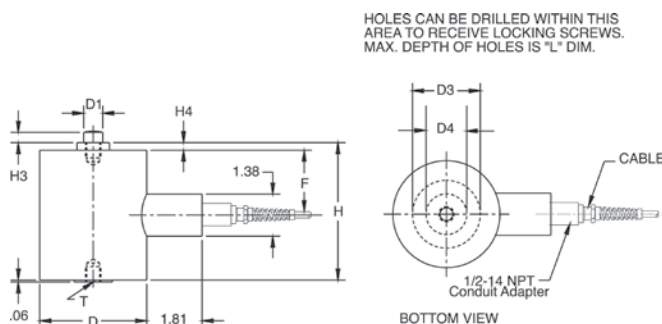
MANUFACTURER	MODEL
Fairbanks®	3-38065-X, 3-38066-X
HBM®	C10
Streeter Richardson®	2011611, 2011612
Streeter Richardson	2011613, 2011614, 2011617
Mettler Toledo®	10049200A, 10014900A
Mettler Toledo	10011900A, 10049300A

# C3P1

Compression Canister, Alloy Steel, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 (± 3.5) ohms

### Input Resistance:

350 (± 3.5) ohms

### Material/Finish:

High-alloy steel, epoxy coated

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (20 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

500 lb=0.05% full scale  
1,000 lb-10,000 lb=0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

500 lb=0.007 in (0.18 mm)  
1,000 lb=0.006 in (0.15 mm)  
2,000-3,000 lb=0.005 in (0.13 mm)  
5,000 lb=0.007 in (0.18 mm)  
10,000 lb=0.005 in (0.13 mm)

### Seal Type:

NEMA Type 6 environmentally sealed,  
IP67

### Cable Length:

35 ft (10.7 m)

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow .....- Shield

### Warranty:

Three-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	D	D1	D3	D4	F	H	H3	H4	L	T
<b>lb/inches</b>										
500-3,000	3.50	0.62	1.25	—	2.25	4.56	0.38	0.25	—	1/2-20 UNF-2B x 0.50 DP
5,000-10,000	3.50	1.06	2.50	1.75	2.66	5.94	0.62	0.38	0.50	1-14 UNS-2B x 1.25 DP
<b>kg/mm</b>										
226.8-1,360.8	88.9	15.7	31.8	—	57.2	115.8	9.5	6.4	—	1/2-20 UNF-2B x 0.50 DP
2,268.0-4,535.9	88.9	27.00	63.5	44.5	67.6	150.9	15.7	9.7	12.7	1-14 UNS-2B x 1.25 DP

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
500 lb	(226.8 kg)	17672	10 lb	\$2,195.00
1,000 lb	(453.6 kg)	17673	10 lb	2,195.00
2,000 lb	(907.2 kg)	17674	10 lb	2,195.00
3,000 lb	(1,360.8 kg)	17675	10 lb	2,195.00
5,000 lb	(2,268.0 kg)	17676	15 lb	2,295.00
10,000 lb	(4,535.9 kg)	17677	15 lb	2,295.00

## Interchangeable Products

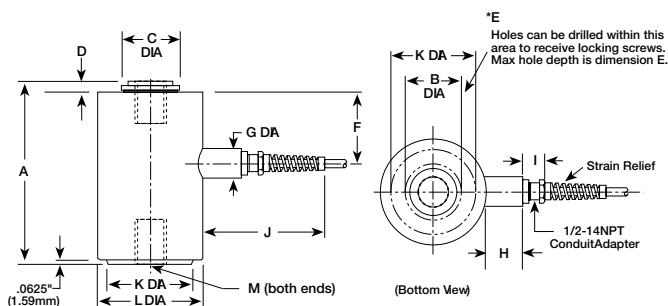
MANUFACTURER	MODEL
Fairbanks®	3-38054-X
Mettler Toledo®	1004400A, KN713700
Mettler Toledo	KB200570, 10049100A

# T2P1

Tension Canister, Alloy Steel



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
High-alloy steel, epoxy coated

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Seal Type:**  
Environmentally sealed

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 V AC/DC (20 V maximum)

**Combined Error:**  
 $\pm 0.03\%$  full scale

**Repeatability:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
20,000 lb=0.0075 in (0.191 mm)  
50,000 lb=0.0100 in (0.254 mm)

**Cable Length:**  
35 ft (10.7 m)

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

**Warranty:**  
Three-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	*E	F	G	H	I	J	K	L	M
<b>lb/inches</b>													
20,000	8.50	2.63	2.75	0.50	1.00	3.38	1.38	1.81	1.00	5.81	4.00	5.00	1 1/2-12 UNF-2B x 2 DP
50,000	11.44	3.75	4.00	0.63	1.00	5.00	1.38	1.81	1.00	5.81	5.75	6.50	2-12 UNF-2B x 2.63 DP
<b>kg/mm</b>													
9,071.9	215.9	66.8	69.9	12.7	25.4	85.9	35.1	46.0	25.4	147.6	101.6	127.0	1 1/2-12 UNF-2B x 50.8 DP
22,679.7	290.6	95.3	101.6	16.0	25.4	127.0	35.1	46.0	25.4	147.6	146.1	165.1	2-12 UNF-2B x 66.7 DP

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
20,000 lb	(9,071.9 kg)	17660	30 lb	\$3,595.00
50,000 lb	(22,679.6 kg)	17661	65 lb	3,795.00

## Interchangeable Products

MANUFACTURER	MODEL
Fairbanks®	657090, 657091
Streeter Richardson®	2011711, 2011712

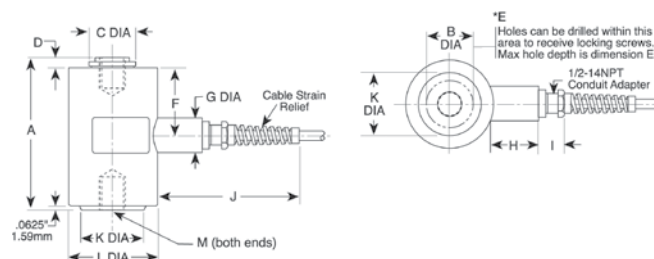
# T3P1

Tension Canister, Alloy Steel

New  
Lower Price



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 ( $\pm 3.5$ ) ohms

### Input Resistance:

350 ( $\pm 3.5$ ) ohms

### Material/Finish:

High-alloy steel, epoxy coated

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Seal Type:

Environmentally sealed

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 V AC/DC (20 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

0.05% full scale (500 lb)  
0.02% full scale (1,000 lb-10,000 lb)

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

500 lb=0.007 in (0.018 mm)  
1,000 lb=0.006 in (0.15 mm)  
2,000-3,000 lb=0.005 in (0.13 mm)  
5,000 lb=0.007 in (0.18 mm)  
10,000 lb=0.005 in (0.13 mm)

### Cable Length:

35 ft (10.7 m)

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow .....- Shield

### Warranty:

Three-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	*E	F	G	H	I	J	K	L	M
<b>lb/inches</b>													
500-3,000	4.56	—	1.06	0.25	—	2.25	1.38	1.81	1.00	5.81	1.25	3.50	1/2-20 UNF-2B x 0.5 DP
5,000-10,000	5.93	1.75	1.87	0.38	0.50	2.66	1.38	1.81	1.00	5.81	2.50	3.50	1-14 UNS-2B x 1.25 DP
<b>kg/mm</b>													
226.8-1,360.8	115.8	—	26.9	6.4	—	57.2	35.1	46.00	25.4	147.6	31.8	88.9	1/2-20 UNF-2B x 12.7 DP
2,268.0-4,535.9	150.6	44.4	47.5	9.7	12.7	67.6	35.1	46.00	25.4	147.6	63.5	88.9	1-14 UNS-2B x 31.8 DP

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
500 lb	(226.79 kg)	17654	10 lb	\$2,195.00
1,000 lb	(453.59 kg)	17655	10 lb	2,195.00
2,000 lb	(907.18 kg)	17656	10 lb	2,195.00
3,000 lb	(1,360.77 kg)	17657	10 lb	2,195.00
5,000 lb	(2,267.96 kg)	17658	15 lb	2,295.00
10,000 lb	(4,535.92 kg)	17659	15 lb	2,295.00

## Interchangeable Products

MANUFACTURER	MODEL
Fairbanks®	3-39897-X, 3-40766-X
Streeter Richardson®	20117XX
Mettler Toledo®	10048X00A, KN75066

Notes



# Table of Contents

## S-Beams

Page 198

### STC, Low-Capacity, Alloy Steel



Ideally suited for batching and filling, conveyor and hopper/tank weighing. Nickel plated, high-alloy steel construction. Capacities range from 50lb to 200lb (22.7 kg to 90.7 kg). Complete with 10ft (3.1 m) of load cell cable.



Page 199

### STC, Alloy Steel



Ideally suited for batching and filling and hopper/tank weighing. Nickel plated, alloy steel construction. Capacities range from 250lb to 40,000lb (113.4 kg to 18,144 kg). Complete with 20ft (6.1 m) of load cell cable.



Page 200

### STC SS, Stainless Steel



The VPG Celtron STC has been a popular industry s-beam for some time, and for the first time is available in a stainless steel version. This high-quality product is ideal for tension applications, and provides the additional protection of being manufactured from stainless steel. Capacities range from 200lb to 10,000lb (90.7 kg to 4,535.9 kg). Each unit is provided with a standard 20ft (6.1 m) of load cell cable.



Page 201

### HTC HSS, Stainless Steel, Welded-seal



The VPG Celtron STC HSS provides upgraded protection to the standard environmentally sealed s-beam for dry, but dirty suspended tank, hopper and mechanical replacement applications. An economical alternative to fully stainless, welded s-beams, the STC HSS provides a mid-range solution where none previously existed. Available in capacities ranging from 500lb to 10,000lb. Each unit includes 20ft (6.1 m) of standard load cell cable.

## Single-Ended Beams

Page 202

### SQB, Alloy Steel



Single-ended beam designed for low-profile scales and platform, hopper and tank weighing applications. NTEP Certified cells in capacities from 1,000lb to 10,000lb (453.6 kg to 4,535.9 kg); Non-NTEP Certified cells in 500, 15,000 and 20,000lb (226.8 kg to 9,071.9 kg) capacities. Complete with 20ft (6.1 m) of load cell cable.



Page 203

### SQB-HSS, Stainless Steel



The VPG Celtron SQB-HSS stainless steel, welded seal single-ended beam is a precision load cell offering exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the SQB-HSS is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000lb to 10,000lb (453.6 kg to 4,535.9 kg). Complete with 20ft (6.1 m) of load cell cable.



Page 204

### MBB, Alloy Steel



Ultra-small load cell designed for bench, platform, tank and conveyor weighing applications. Nickel plated and environmentally protected with a stainless steel side plate. Capacities range from 50lb to 250lb (22.7 kg to 113.4 kg). Complete with 3ft (0.9 m) of load cell cable.



# Table of Contents

## Single-Ended Beams

### Page 205

#### SEB, Alloy Steel



The VPG Celtron SEB is a single-ended beam designed for various scale and process weighing applications. This unit is manufactured from high-alloy steel that has been nickel plated to ensure an IP67 rating. The product is OIML approved and has metric envelope capacities ranging from 500 kg to 2.5 t. Each unit is provided with a 20 ft (6.1 m) of standard load cell cable to deliver an accurate, yet economical package.



### Page 206

#### HBB, Stainless Steel



The HBB is VPG Celtron's version of the traditional design bending beam, packaged with a welded stainless steel below to provide additional environmental protection. This economical alternative to traditional designs is ideal for low-profile platform scales, packaging machinery, mechanical conversions or most any general weighing application. Complete with NTEP Certification, the HBB is available in capacities ranging from 10 kg to 250 kg and includes 20 ft (6.1 m) of load cell cable.



## Double-Ended Beams

### Page 207

#### CSB, Alloy Steel



This double-ended beam with center loading is an optional replacement for many popular cells in the industry. Designed for truck, tank, and hopper applications. Capacities range from 5,000 lb to 150,000 lb (2,268.0 kg to 68,040 kg). Complete with 30 ft (9.1 m) of load cell cable.



### Page 208

#### DSR, Alloy Steel



Double-ended beam with center loading. Designed for tank, hopper and silo applications. Capacities range from 1,000 lb to 75,000 lb (453.6 kg to 34,019.5 kg). Complete with 25 ft (7.6 m) of load cell cable.



### Page 209

#### DSR-HSS, Stainless Steel



A new center loaded, double-ended beam in stainless steel with welded gauge covers. Available capacities range from 1,000 lb to 75,000 lb (453.6 kg to 34,019.5 kg). This load cell is ideal for tank, hopper and silo applications, has a welded seal and comes with 25 ft (7.6 m) of load cell cable.



### Page 210

#### MDB, Alloy Steel



The Celtron MDB is a unique compact style of load cell and mount assembly that is popular in many parts of the world for use in truck scales. The load cell is a double-ended shear beam for long life and includes ball and cups. Capacities range from 10,000 lb to 50,000 lb (4,536.9 kg to 22,680.0 kg).



### Page 211

#### CLB, Alloy Steel



The VPG Celtron CLB is an alloy steel, nickel-plated, double-ended beam that is ideal for applications in truck, track, tank and hopper applications. This product is of the center-loaded design, and is compatible with both the MVS and TSA mounting assemblies. The price has recently been reduced, and it should be competitive with any similar load cell on the market today. Available in capacities ranging from 20,000 lb to 125,000 lb (9,071.9 kg to 56,699.1 kg), with all units being provided with 35 ft (10.6 m) of load cell cable.



### Page 212

#### DLB, Alloy Steel














Designed for center mounting and double-link loading, the DLB is a high-accuracy solution for many weighing applications. This alloy steel, nickel-plated load cell is compatible with Unilink/Translink mounting configurations. Available in capacities ranging from 25,000 lb to 125,000 lb (11,339.8 kg to 56,699.1 kg). Units are provided with standard 35 ft (10.6 m) of load cell cable.







# Table of Contents

## Single Points

<b>Page 213</b>	<b>LPS, Aluminum</b>	
	Designed for counting and bench weighing applications. Capacities range from 3 kg to 100 kg (6.6 lb to 220.5 lb). Complete with 450 mm (17.8 in) of load cell cable.	 
<b>Page 214</b>	<b>LOC, Aluminum</b>	
	Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales, and other low-capacity beam applications. Long-term stability and durability are maintained. Capacities range from 5 kg to 100 kg (11.0 lb to 220.5 lb). Complete with 1 m (3.3 ft) and 3.1 m (10 ft) of load cell cable.	 
<b>Page 215</b>	<b>LOC, Aluminum, Heavy Capacity</b>	
	Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform and hanging scales. Long-term stability and durability are maintained. Capacities range from 100 kg to 500 kg (220.5 lb to 1,102.3 lb). Complete with 3.1 m (10 ft) of load cell cable.	 
<b>Page 216</b>	<b>HOC, Aluminum</b>	
	The HOC model is a high-capacity single point made of aluminum. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars and hanging scales. Capacities range from 750 kg to 2,000 kg (1,653.7 lb to 4,410.0 lb). Complete with 3.1 m (10 ft) of load cell cable.	

## Compression Canisters

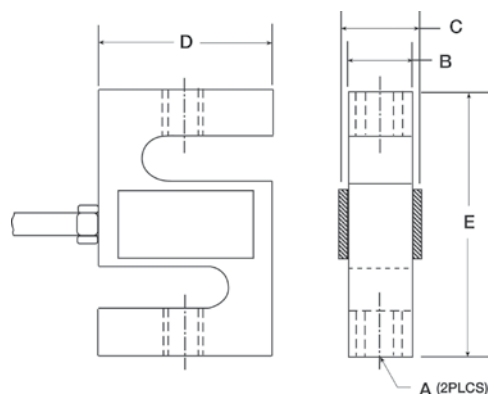
<b>Page 217</b>	<b>LCD, Alloy Steel</b>	
	Environmentally protected, low-profile compression disk. 5,000 lb and 10,000 lb models can also be used in tension-loading applications. The shear web design provides excellent performance and a low-profile feature makes it ideal for applications where height is critical. Capacities range from 5,000 lb to 100,000 lb (2,268.0 kg to 45,359.4 kg). Complete with 50 ft (15.2 m) of load cell cable.	

# STC

Low-Capacity S-Beam, Alloy Steel IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V (50 lb capacity, 2.0 mV/V)

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

385 ( $\pm 5$ ) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (3.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White.....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/in</b>					
50-200	1/4-28 UNF	0.50	1.05	2.00	2.50
<b>kg/mm</b>					
22.7-90.7	1/4-28 UNF	12.7	19.1	50.8	63.5

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50 lb	(22.7 kg)	30044	2 lb	\$175.00
100 lb	(45.4 kg)	30045	2 lb	175.00
150 lb	(68.0 kg)	30046	2 lb	175.00
200 lb	(90.7 kg)	35787	2 lb	175.00

## Interchangeable Products

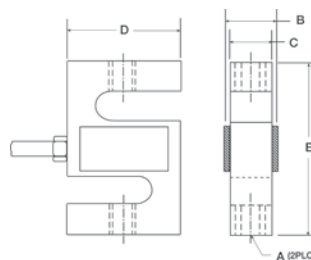
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL20000	119

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM-Isolated Tension Cell Mount	46



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 5) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range

14°F to 104°F (-10°C to 40°C)

Operating range

-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Non-Repeatability:

0.01% full scale

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket (250 lb-20,000 lb)

0.305 polyurethane jacket (40,000 lb)

### Cable Color Code:

Red .....+ Excitation

Black.....- Excitation

Green .....+ Signal

White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500-1,500	1/2-20 UNF	1.00	0.75	2.00	3.00
2,000-3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.75
15,000	1-14 UNS	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.19	2.00	5.00	7.00
40,000	1 1/2-12 UNF	2.75	2.50	6.00	10.00
<b>kg/mm</b>					
113.4	3/8-24 UNF	19.1	12.7	50.8	76.2
226.8-907.2	1/2-20 UNF	25.4	19.1	50.8	76.2
1,134.0-1,360.8	1/2-20 UNF	31.8	25.4	50.8	76.2
2,268.0	3/4-16 UNF	31.8	25.4	76.2	107.9
4,535.9	3/4-16 UNF	31.8	25.4	88.9	120.7
6,803.9	1-14 UNS	38.1	31.8	101.6	139.7
9,071.9	1 1/4-12 UNF	55.7	50.8	127.0	177.8
18,144.0	1 1/2-12 UNF	69.9	63.5	152.4	254.0

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
250 lb (113.4 kg)	30047	2 lb	\$195.00
500 lb (226.8 kg)	30051	2 lb	195.00
750 lb (340.2 kg)	30054	2 lb	195.00
1,000 lb (453.6 kg)	30067	2 lb	195.00
1,500 lb (680.4 kg)	30069	2 lb	195.00
2,000 lb (907.2 kg)	30072	3 lb	195.00
2,500 lb (1,134.0 kg)	30073	3 lb	195.00
3,000 lb (1,360.8 kg)	30074	3 lb	265.00
5,000 lb (2,268.0 kg)	30076	3 lb	375.00
10,000 lb (4,535.9 kg)	30077	5 lb	375.00
15,000 lb (6,803.9 kg)	30078	9 lb	475.00
20,000 lb (9,071.9 kg)	30079	17 lb	775.00
40,000 lb* (18,144.0 kg)	46674	39 lb	955.00

\*Non-NTEP Certified

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL20001	124
VPG Sensortronics®	60001	303

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM-Isolated Tension Cell Mount	46

## Special Load Cells

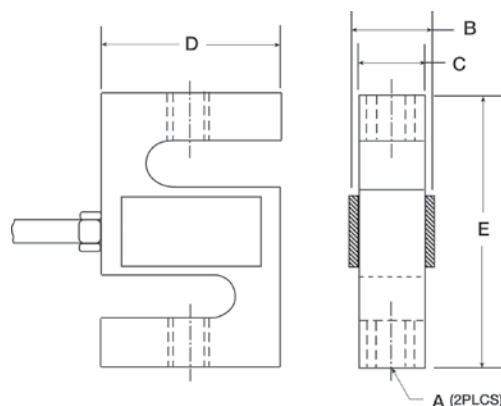
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3,000 lb (1,360.8 kg)	67882	3 lb	\$275.00
5,000 lb (2,268.0 kg)	67881	4 lb	495.00
20,000 lb (9,071.9 kg)	67883	17 lb	825.00
30 ft cable matched outputs	—	—	—

## STC SS

S-Beam, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V nominal

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
385 ( $\pm 5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.200 polyurethane jacket

**Cable Color Code:**  
Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/in</b>					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500-1,500	1/2-20 UNF	1.00	0.75	2.00	3.00
2,000-3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.25
<b>kg/mm</b>					
113.4	3/8-24 UNF	19.1	12.7	50.8	76.2
226.8-907.2	1/2-20 UNF	25.4	19.1	50.8	76.2
1,134.0-1,360.8	1/2-20 UNF	31.8	25.4	50.8	76.2
2,268.0	3/4-16 UNF	31.8	25.4	76.2	107.9
4,535.9	3/4-16 UNF	31.8	25.4	88.9	139.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
250 lb	(113.4 kg)	46659	2 lb	\$295.00
500 lb	(226.8 kg)	46661	2 lb	295.00
750 lb	(340.2 kg)	46662	2 lb	295.00
1,000 lb	(453.6 kg)	46663	2 lb	295.00
1,500 lb	(680.4 kg)	46664	2 lb	295.00
2,000 lb	(907.2 kg)	46665	2 lb	295.00
2,500 lb	(1,134.0 kg)	46666	3 lb	315.00
3,000 lb	(1,360.8 kg)	46667	4 lb	315.00
5,000 lb	(2,268.0 kg)	46668	4 lb	445.00
10,000 lb	(4,535.9 kg)	46669	5 lb	455.00

## Interchangeable Products

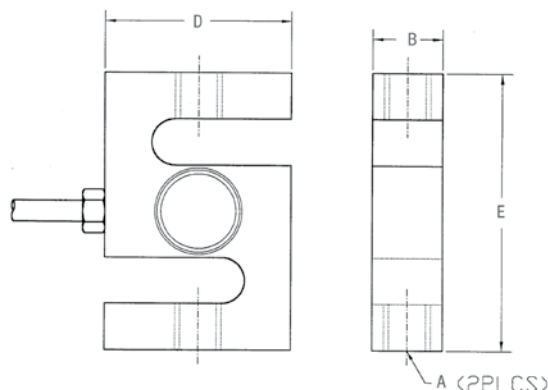
MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	60050	304

# HTC HSS

S-Beam, Stainless Steel, Welded-seal, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

385 ( $\pm 5$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.05%

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded seal, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

## Dimensions

RATED CAPACITY	A	B	D	E
<b>lb/inches</b>				
500-3000	1/2-20 UNF	1.00	2.00	2.97
5000-10,000	3/4-16 UNF	1.00	3.00	4.25
<b>kg/mm</b>				
226.8-1,360.8	1/2-20 UNF	25.4	50.8	75.4
2,268.0-4,536.0	3/4-16 UNF	25.4	76.2	102.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 lb (226.8 kg)	69326	2 lb	\$465.00
750 lb (340.0 kg)	69327	2 lb	465.00
1,000 lb (453.6 kg)	69328	2 lb	465.00
1,500 lb (680.4 kg)	69329	2 lb	465.00
2,000 lb (907.2 kg)	69330	2 lb	465.00
2,500 lb (1,134.0 kg)	69331	2 lb	465.00
3,000 lb (1,360.8 kg)	69332	2 lb	495.00
5000 lb (2268.0 kg)	69333	4 lb	695.00
10,000 lb (4536.0 kg)	69334	4 lb	695.00

## Weigh Module Available

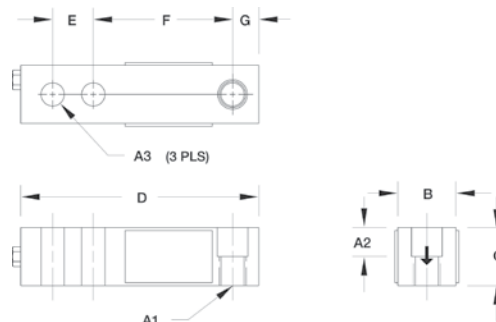
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM-Isolated Tension Cell Mount	46

# SQB

Single-Ended Shear Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 5) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range

14°F to 104°F (-10°C to 40°C)

Operating range

-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

500 lb-1,000 lb=0.013 in (3.1 mm)

2,000 lb-3,000 lb=0.015 in (0.4 mm)

4,000 lb-5,000 lb=0.025 in (0.6 mm)

10,000 lb=0.035 in (0.9 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation

Black.....- Excitation

Green .....+ Signal

White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A4	A2	A3	A1	B	C	D	E	F	G
<b>lb/in</b>										
500	0.53 dia	0.50	0.53	1/2-20 UNF-2B	1.25	1.00	5.12	1.00	3.00	0.50
1,000-5,000 SE*	0.53 dia	0.62	0.53	1/2-20 UNF-2B	1.25	1.25	5.12	1.00	3.00	0.50
5,000 LE**-10,000	0.78 dia	0.75	0.78	3/4-16 UNF-2B	1.50	1.50	6.75	1.50	3.75	0.75
15,000-20,000	1.03 dia	1.00	1.03	1-14 UNS	2.00	2.00	8.88	2.00	4.88	1.00
<b>kg/mm</b>										
226.8	13.5 dia	12.7	13.5	1/2-20 UNF-2B	31.8	25.4	130.0	25.4	76.2	12.7
453.6-2,268.0 SE*	13.5 dia	15.8	13.5	1/2-20 UNF-2B	31.8	31.8	130.0	25.4	76.2	12.7
2,268.0 LE**-4,535.9	19.8 dia	19.1	19.8	3/4-16 UNF-2B	38.1	38.1	171.5	38.1	95.3	19.1
6,803.9-9,071.9	26.2 dia	25.4	26.2	1-14 UNS	50.8	50.8	225.6	50.8	124.0	25.4

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:5000</b>				
1,000 lb	(453.6 kg)	30106	3 lb	\$195.00
2,000 lb	(907.2 kg)	30109	3 lb	195.00
2,500 lb	(1,134.0 kg)	30112	3 lb	195.00
3,000 lb	(1,360.8 kg)	30113	3 lb	195.00
4,000 lb	(1,814.4 kg)	30270	3 lb	195.00
5,000 lb SE*	(2,268.0 kg)	30114	3 lb	195.00
5,000 lb LE**	(2,268.0 kg)	30115	5 lb	330.00
10,000 lb	(4,535.9 kg)	30117	5 lb	330.00
<b>Non-NTEP Certified</b>				
500 lb	(226.8 kg)	30101	3 lb	185.00
15,000 lb	(6,803.9 kg)	30118	9 lb	430.00
20,000 lb	(9,071.9 kg)	30121	10 lb	445.00

\* SE refers to small envelope

\*\* LE refers to large envelope

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023	133
VPG Sensortronics®	65023	309

## Weigh Module Available

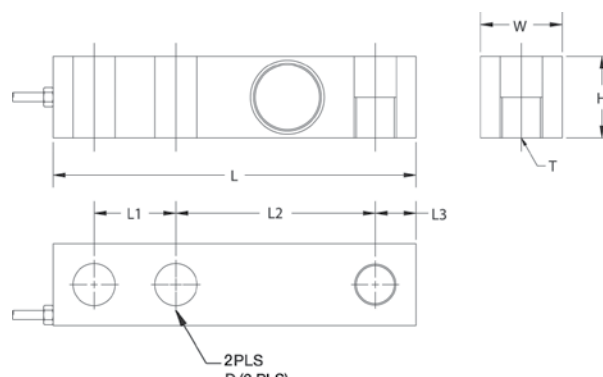
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

## SQB-HSS

Single-Ended Shear Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, Welded-Seal, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 5) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02 full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded seal, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	L	L1	L2	L3	W	H	D	T
<b>lb/in</b>								
1,000-5,000 SE*	5.12	1.00	3.00	.50	1.25	1.25	0.53	1/2-20 UNF
5,000-10,000	6.75	1.50	3.75	0.75	1.50	1.50	0.78	3/4-16 UNF
<b>kg/mm</b>								
453.6-2,268.0	130.2	25.4	76.2	12.7	31.7	31.7	13.5	—
2,268.0-4,536.0	171.5	38.1	95.3	19.0	38.1	38.1	19.8	—

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	67118	3 lb	\$325.00
2,000 lb (907.2 kg)	67119	3 lb	325.00
2,500 lb (1,134.0 kg)	67120	3 lb	325.00
3,000 lb (1,360.8 kg)	67121	3 lb	325.00
4,000 lb (1,814.4 kg)	67122	3 lb	325.00
5,000 lb SE* (2,268.0 kg)	67123	3 lb	325.00
5,000 lb (2,268.0 kg)	67124	5 lb	425.00
10,000 lb (4,535.9 kg)	67125	5 lb	425.00

\* SE refers to small envelope

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023	133
VPG Sensortronics®	65083	312

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1800 Series	62

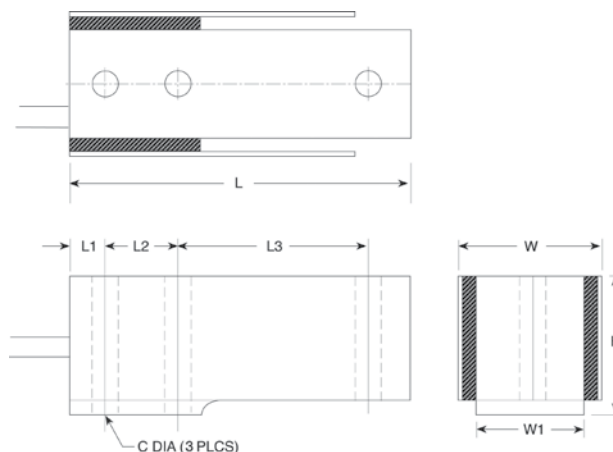


# MBB

Single-Ended Beam, Alloy Steel



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

385 ( $\pm 5$ ) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

5 ft (1.5 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	W	W1	H	L	L1	L2	L3
<b>lb/in</b>								
50-150	0.172	0.75	0.50	0.98	2.38	0.25	0.50	1.33
250	0.172	1.00	0.75	0.98	2.38	0.25	0.50	1.33
<b>kg/mm</b>								
22.7-68.0	4.37	19.1	12.7	24.8	60.5	6.4	12.7	33.7
113.4	4.37	25.4	19.1	24.8	60.5	6.4	12.7	33.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50 lb	(22.7 kg)	30130	2 lb	\$195.00
100 lb	(45.4 kg)	30131	2 lb	195.00
150 lb	(68.0 kg)	30132	2 lb	195.00
250 lb	(113.4 kg)	35786	2 lb	195.00

## Interchangeable Products

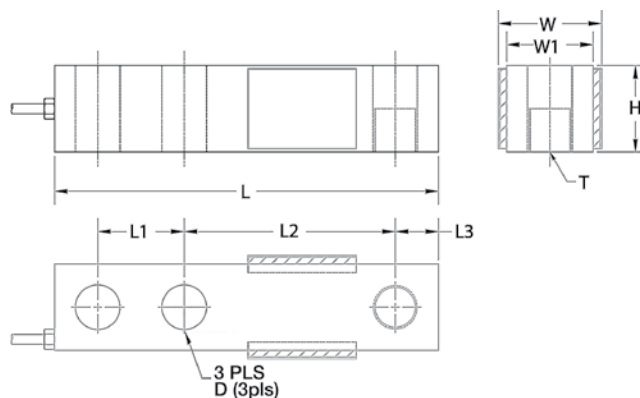
MANUFACTURER	MODEL
Interface®	MB

# SEB

Single-Ended Beam, Alloy Steel IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

385 ( $\pm 5$ ) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 V AC/DC (15 V maximum)

### Combined Error:

0.025%

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	L	L1	L2	L3	W	W1	H	D	T
<b>kg-t/in</b>									
500 kg-2.5 t	5.12	1.00	3.00	0.50	1.50	1.25	1.25	0.53	M12 x 1.75
<b>kg-t/mm</b>									
500 kg-2.5 t	130.00	25.4	76.2	12.7	38.1	31.75	31.75	13.4	M12 x 1.75

## Order Information

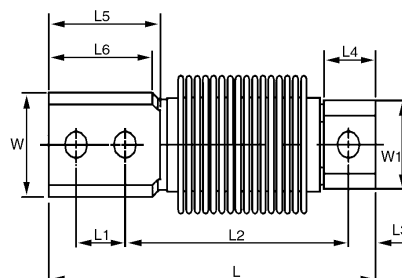
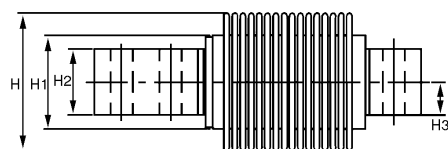
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 kg	69315	3lb	\$215.00
1 t	69316	3lb	215.00
1.5 t	69317	3lb	215.00
2 t	69318	3lb	215.00
2.5 t	69319	3lb	215.00

# HBB

Single-Ended Beam, Stainless Steel, Welded-seal, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

385 ( $\pm 5$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03%

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded seal, IP67

### Cable Length:

3.1 m (10 ft)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Brown .....+ Sense  
Yellow .....- Sense

### Warranty:

One-year limited warranty

## Dimensions

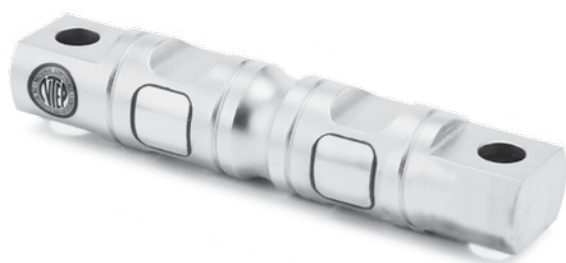
RATED CAPACITY	L	L1	L2	L3	L4	L5	L6	H	H1	H2	H3	W	W1
<b>kg/mm</b>													
10-250	120.00	18.00	82.00	10.00	19.00	41.00	38.00	41.6	28.2	20.00	10.00	31.5	26.6
<b>lb/in</b>													
500-3,000	4.72	0.70	3.22	0.39	0.74	1.61	1.49	1.63	1.11	0.78	0.39	1.24	1.04

## Order Information

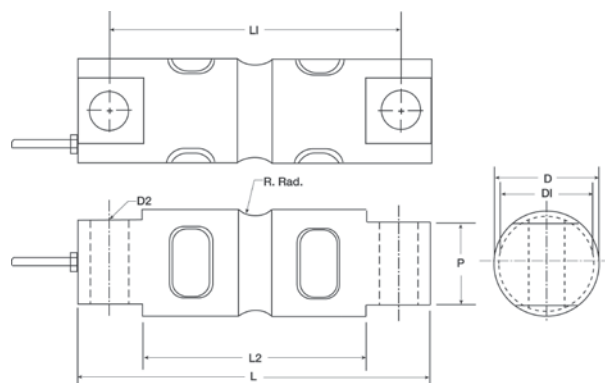
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
10 kg	(22.0 lb)	69320	2 lb	\$495.00
20 kg	(44.1 lb)	69321	2 lb	495.00
50 kg	(110.2 lb)	69322	2 lb	495.00
100 kg	(220.5 lb)	69323	2 lb	495.00
200 kg	(441.0 lb)	69324	2 lb	495.00
250 kg	(551.2 lb)	69325	2 lb	495.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLHBB	146
HBM®	Z6	251
VPG Revere®	SHB	280
VPG Tedeá-Huntleigh®	355	337



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Output Resistance:**  
700 ( $\pm 5$ ) ohms

**Input Resistance:**  
770 ( $\pm 10$ ) ohms

**Material/Finish:**  
High-alloy steel, nickel plated

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Non-Repeatability:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
30 ft (9.1 m)

**Cable Diameter:**  
0.200 polyurethane jacket (5,000 lb-20,000 lb)  
0.305 polyurethane jacket (30,000 lb-150,000 lb)

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	L	L1	L2	D	D1	D2	P	R
<b>lb/in</b>								
5,000-10,000	8.12	6.88	5.24	1.70	1.48	0.66	1.12	0.50
20,000	8.12	6.88	5.24	1.95	1.49	0.66	1.12	0.50
30,000-60,000	10.25	8.50	6.49	3.00	2.73	1.06	2.37	1.00
100,000	11.25	9.50	7.49	3.50	3.24	1.06	2.50	1.00
150,000	11.25	9.50	7.49	3.90	3.64	1.06	2.80	1.50
<b>kg/mm</b>								
2,268.0-9,071.9	206.3	174.8	133.1	46.5	41.0	16.8	28.5	12.7
13,607.8-27,215.6	260.4	215.9	164.8	81.3	74.5	26.9	60.2	25.4
45,359.4	285.8	241.3	190.2	95.3	88.7	26.9	63.5	25.4
68,040.0	285.8	241.3	190.2	99.1	92.5	26.9	71.1	38.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb	(2,268.0 kg)	42120	5 lb	\$635.00
10,000 lb	(4,536.0 kg)	42121	6 lb	635.00
20,000 lb	(9,072.0 kg)	42122	7 lb	635.00
30,000 lb	(13,608.0 kg)	42123	18 lb	735.00
40,000 lb	(18,144.0 kg)	42124	18 lb	735.00
50,000 lb	(22,679.6 kg)	42125	18 lb	735.00
60,000 lb	(27,216.0 kg)	42126	18 lb	735.00
100,000 lb	(45,360.0 kg)	42127	28 lb	1,475.00
150,000 lb	(68,040.0 kg)	46683	38 lb	1,475.00

## Weigh Module Available

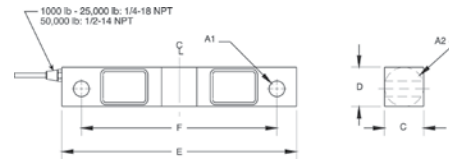
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	EZ Mount	84

# DSR

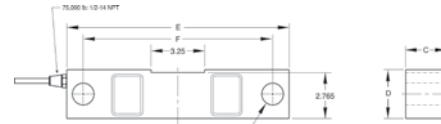
Double-Ended Shear Beam, Alloy Steel IP67



Picture is a representation of actual product



1000-50,000 lb/ 453.6-22,679.6 kg



75,000 lb/34,019.5 kg

## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
700 ( $\pm 5$ ) ohms

**Input Resistance:**  
770 ( $\pm 10$ ) ohms

**Material/Finish:**  
High-alloy steel, nickel plated

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

### Deflection at Capacity:

1,000 lb-3,000 lb=0.01 in (0.3 mm)  
5,000 lb=0.015 in (0.4 mm)  
10,000 lb-20,000 lb=0.022 in (0.6 mm)  
25,000 lb=0.036 in (0.9 mm)  
50,000 lb=0.052 in (1.3 mm)  
75,000 lb=0.07 in (1.8 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

25 ft (7.6 m)

### Cable Diameter:

0.200 polyurethane jacket (1,000 lb-25,000 lb)  
0.305 polyurethane jacket (50,000 lb-75,000 lb)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	C	D	E	F	G
<b>lb/in</b>							
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25	0.69
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50	0.96
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50
75,000	1.31	—	2.44	2.94	13.50	11.50	1.47
<b>kg/mm</b>							
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5
4,535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	24.4
22,679.7	33.3	76.2	62.00	74.7	342.9	292.1	38.1
34,019.5	33.3	—	62.00	74.7	342.9	292.1	37.3

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	30080	4 lb	\$495.00
1,500 lb	(680.4 kg)	30081	4 lb	495.00
2,000 lb	(907.2 kg)	30088	4 lb	495.00
2,500 lb	(1,134.0 kg)	30089	4 lb	495.00
3,000 lb	(1,360.8 kg)	30091	4 lb	495.00
5,000 lb	(2,268.0 kg)	30094	4 lb	495.00
10,000 lb	(4,535.9 kg)	30095	7 lb	575.00
15,000 lb	(6,803.9 kg)	30096	7 lb	575.00
20,000 lb	(9,071.9 kg)	30097	7 lb	575.00
25,000 lb	(11,339.8 kg)	30098	7 lb	575.00
50,000 lb	(22,679.6 kg)	30099	25 lb	825.00
75,000 lb*	(34,019.5 kg)	30100	25 lb	825.00

\*75,000 lb capacity has a square center

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016	154
VPG Sensortronics®	65016	318
VPG Revere®	5203	—

## Weigh Module Available

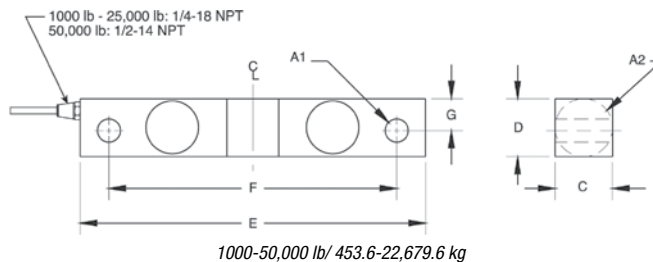
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	92 and 94

## DSR-HSS

Double-Ended Shear Beam, Stainless Steel Welded-Seal, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

700 ( $\pm 5$ ) ohms

### Input Resistance:

770 ( $\pm 10$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.07% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

1,000 lb-3,000 lb=0.01 in (0.03 mm)  
5,000 lb=0.015 in (0.4 mm)  
10,000-20,000 lb=0.022 in (0.6 mm)  
25,000 lb=0.036 in (0.9 mm)  
50,000 lb=0.052 in (3.1 mm)

### Seal Type:

Welded seal, IP67

### Cable Length:

25 ft (7.6 m)

### Cable Diameter:

0.200 polyurethane jacket (1,000 lb-  
25,000 lb)  
0.305 polyurethane jacket (50,000 lb)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	C	D	E	F	G
<b>lb/in</b>							
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25	0.69
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50	0.96
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50
<b>kg/mm</b>							
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5
4,535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	24.4
22,679.7	33.3	76.2	62.0	74.7	342.9	292.1	38.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	76544	4 lb	\$535.00
5,000 lb (2,268.0 kg)	76549	4 lb	535.00
10,000 lb (4,535.9 kg)	76550	7 lb	600.00
15,000 lb (6,803.9 kg)	76551	7 lb	600.00
20,000 lb (9,071.9 kg)	76552	7 lb	600.00
25,000 lb (11,339.8 kg)	76553	7 lb	600.00
50,000 lb (22,679.6 kg)	76554	25 lb	1,295.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016SS	155
VPG Sensortronics®	65016W	319
VPG Revere®	9203	—

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	92 and 94

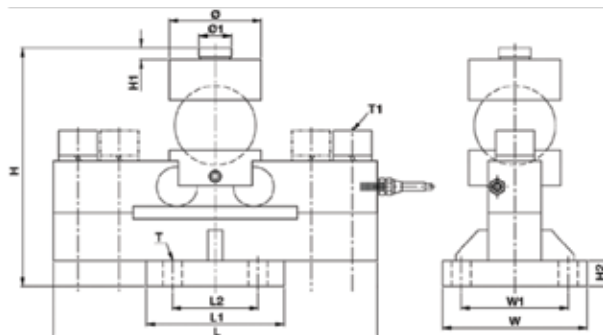
# NEW MDB

Double-ended Beam, Alloy Steel, Environmentally Sealed, IP67

VP6 CELTRON



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2 mV/V

**Output Resistance:**  
700 ( $\pm 5$ ) ohms

**Input Resistance:**  
770 ( $\pm 10$ ) ohms

**Material/Finish:**  
High alloy steel, nickel plated

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
50% full scale

**Rated Excitation:**  
5-10 VDC (15 VDC max)

**Nonlinearity:**  
0.030% full scale

**Hysteresis:**  
0.030% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
13.5 m

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	L	L1	L2	H	H1	H2	O	O1	W	W1	T1
<b>kg/mm</b>											
10,000-30,000	240.00	125.00	80.00	230.00	11.00	20.00	88.00	30.00	135.00	100.00	2-M24
40,000-50,000	340.00	160.00	124.00	261.00	11.00	20.00	98.00	40.00	160.00	124.00	2-M24
<b>kg/in</b>											
10,000-30,000	9.45	4.92	3.15	8.85	0.43	0.79	3.46	1.18	5.31	3.94	4-M24
40,000-50,000	13.38	6.30	4.88	10.28	0.43	0.79	3.86	1.57	6.30	4.88	4-M24

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10t	169240	—	\$550.00
20t	169241	—	550.00
25t	169242	—	550.00
30t	169243	—	550.00
40t	169244	—	1,195.00
50t	169245	—	1,195.00

All capacities include cup and ball

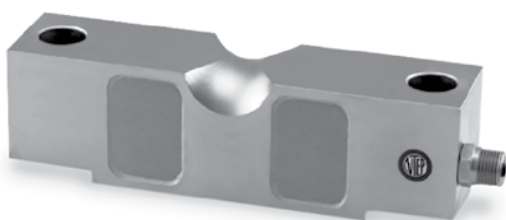
www.ricelake.com | Phone: 800-472-6703



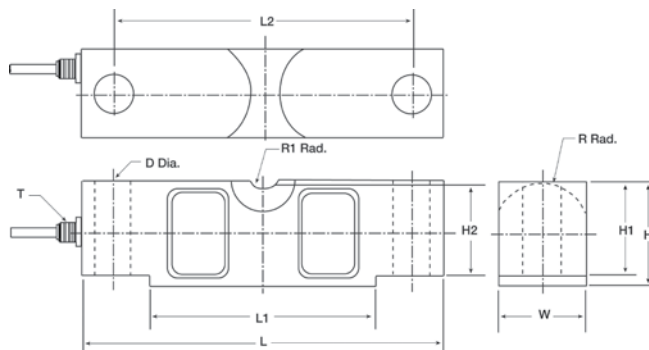


# CLB

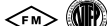
Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Temperature:</b> Compensated range 14°F to 104°F (-10°C to 40°C) Operating range -40°F to 150°F (-40°C to 65°C)	<b>Combined Error:</b> 0.025%	0.305 polyurethane jacket (40,000 lb-125,000 lb)
<b>Output Resistance:</b> 700 (± 5) ohms		<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Input Resistance:</b> 770 (± 10) ohms	<b>Safe Overload:</b> 150% full scale	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Warranty:</b> One-year limited warranty
<b>Material/Finish:</b> High-alloy steel, nickel plated	<b>Safe Sideload:</b> 100% full scale	<b>Cable Length:</b> 35 ft (10.6 m)	<b>Approvals:</b> 
	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Diameter:</b> 0.200 polyurethane jacket (20,000 lb-25,000 lb)	

## Dimensions

RATED CAPACITY	L	L1	L2	W	H	H1	H2	D	R	R1	T
<b>lb/in</b>											
20,000-25,000	7.75	4.99	6.50	1.69	1.94	1.70	1.63	0.68	0.90	0.75	1/4-18 NPT
40,000	10.25	6.39	8.50	1.94	2.44	2.10	2.00	0.81	1.12	1.00	1/4-18 NPT
50,000-75,000	10.25	6.39	8.50	2.44	2.94	2.65	2.54	1.06	1.37	1.00	1/2-14 NPT
100,000-125,000	15.25	8.99	12.75	2.90	3.86	2.43	3.30	1.62	1.80	1.50	1/2-14 NPT
<b>kg/mm</b>											
9,072.0-11,340.0	196.9	126.7	165.1	42.9	49.3	43.2	41.4	17.3	22.9	19.1	1/4-18 NPT
18,144.0	260.4	162.3	215.9	49.3	62.0	53.3	50.8	20.6	28.5	25.4	1/4-18 NPT
22,680.0-34,020.0	260.4	162.3	215.9	62.0	74.7	67.3	64.5	26.9	34.8	25.4	1/2-14 NPT
45,360.0-56,700.0	387.4	228.4	323.9	73.7	98.0	87.1	83.8	41.2	45.7	38.1	1/2-14 NPT

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
20,000 lb	(9,071.9 kg)	46675	8 lb	\$610.00
25,000 lb	(11,339.8 kg)	46676	8 lb	625.00
40,000 lb	(18,144.0 kg)	46677	13 lb	745.00
50,000 lb	(22,679.6 kg)	46678	19 lb	810.00
60,000 lb	(27,216.0 kg)	46679	19 lb	810.00
75,000 lb	(34,019.5 kg)	46680	19 lb	810.00
100,000 lb	(45,360.0 kg)	46681	40 lb	1,475.00
125,000 lb	(56,700.0 kg)	46682	40 lb	1,475.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75058	158
VPG Sensitivelectronics®	65058	321

## Weigh Module Available

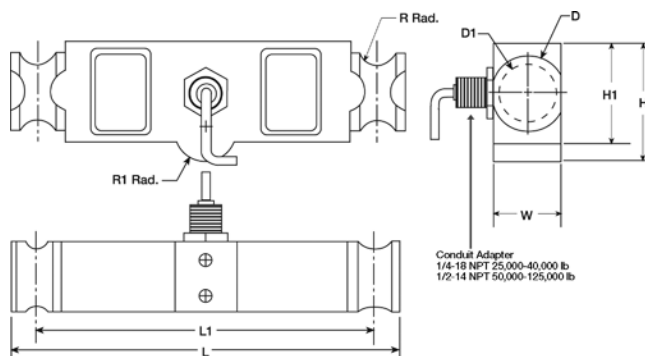
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	MVS	96
Rice Lake Weighing Systems	TSA	98

## DLB

Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**700 ( $\pm 5$ ) ohms**Input Resistance:**770 ( $\pm 10$ ) ohms**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**Compensated range  
14°F to 104°F (-10°C to 40°C)Operating range  
-40°F to 150°F (-40°C to 65°C)**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Combined Error:**

0.025% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

35 ft (10.6 m)

**Cable Diameter:**

0.200 polyurethane jacket (25,000 lb)

0.305 polyurethane jacket (40,000 lb-  
125,000 lb)**Cable Color Code:**

Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	L	L1	W	H	H1	D	D1	R	R1
<b>lb/in</b>									
25,000-40,000	8.25	7.25	1.94	2.97	2.44	2.00	1.63	0.50	0.50
50,000-75,000	11.50	10.00	1.94	3.47	2.94	2.20	1.70	0.75	1.00
100,000-125,000	14.50	12.50	2.90	4.68	3.86	3.20	2.44	1.00	1.50
<b>kg/mm</b>									
11,339.8-18,144.0	209.6	184.2	49.3	75.5	62.00	50.8	41.4	12.7	12.7
22,679.6-34,019.5	292.1	254.00	49.3	88.2	74.7	55.9	43.2	19.1	25.4
45,360.0-56,700.0	368.3	317.5	73.7	118.9	98.00	81.3	62.00	25.4	38.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
25,000 lb	(11,339.8 kg)	46684	11 lb	\$615.00
40,000 lb	(18,144.0 kg)	46685	12 lb	740.00
50,000 lb	(22,679.6 kg)	46686	17 lb	825.00
60,000 lb	(27,216.0 kg)	46687	17 lb	825.00
75,000 lb	(34,019.5 kg)	46688	17 lb	825.00
100,000 lb	(45,360.0 kg)	46689	40 lb	1,475.00
125,000 lb	(56,700.0 kg)	46690	40 lb	1,475.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE#
Rice Lake Weighing Systems	RL75040	162
VPG Sensortronics®	65040A	324
Thurman®	TSC 840	—

## Weigh Module Available

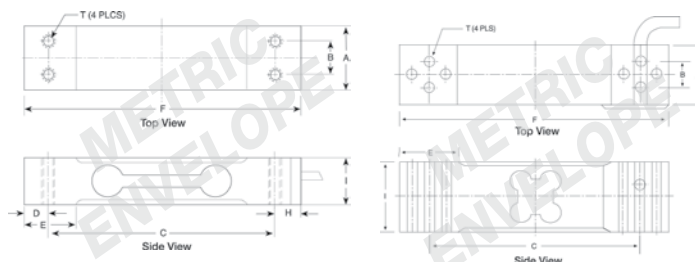
MANUFACTURER	MODEL	PAGE
Rice Lake Weighing Systems	Translink	100

# LPS

Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



3 kg - 35 kg

60 kg - 100 kg

## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 ( $\pm 3$  ohms)

### Input Resistance:

410 ( $\pm 15$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.25% full scale

### Non-Repeatability:

0.02%

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

16.5 in; except 60 kg (14 in) and  
100 kg (6 ft, 6 in)

### Cable Diameter:

0.14 PVC jacket

### Cable Color Code:

Red ..... + Excitation  
Blue ..... - Excitation  
Green ..... + Signal  
White ..... - Signal

### Max Platform Size:

13.75 x 13.75 in

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	H	I	T
<b>kg/mm</b>									
3	15.00	7.00	58.00	6.00	12.00	70.00	6.00	22.00	M3 x 0.5
6-20	30.00	15.00	106.00	12.00	25.00	130.00	12.00	22.00	M6 x 1.0
30-35	40.00	15.00	106.00	12.00	25.00	130.00	12.00	22.00	M6 x 1.0
60-100	35.00	15.00	117.00	N/A	N/A	150.00	N/A	40.00	M6 x 1.0
<b>lb/in</b>									
6.6	0.59	0.28	2.28	0.24	0.47	2.76	0.24	0.87	M3 x 0.5
13.2-44.1	1.18	0.59	4.17	0.47	0.98	5.12	0.47	0.87	M6 x 1.0
66.2-77.2	1.57	0.59	4.17	0.47	0.98	5.12	0.47	0.87	M6 x 1.0
132.3-220.5	1.38	0.59	4.61	N/A	N/A	5.91	N/A	1.57	M6 x 1.0

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:5000</b>			
3 kg (6.6 lb)	41822	1 lb	\$130.00
6 kg (13.2 lb)	41823	1 lb	130.00
10 kg (22.0 lb)	41824	1 lb	130.00
15 kg (33.1 lb)	41825	1 lb	130.00
20 kg (44.1 lb)	41826	1 lb	130.00
<b>Non-NTEP Certified</b>			
3 kg (6.6 lb)	30143	1 lb	120.00
10 kg (22.0 lb)	30145	1 lb	120.00
15 kg (33.1 lb)	30146	1 lb	120.00
20 kg (44.1 lb)	30147	1 lb	120.00
30 kg (66.2 lb)	46502	1 lb	120.00
35 kg (77.2 lb)	30148	1 lb	120.00
60 kg (132.3 lb)	41149	2 lb	120.00
100 kg (220.5 lb)	41150	2 lb	120.00

## Interchangeable Products

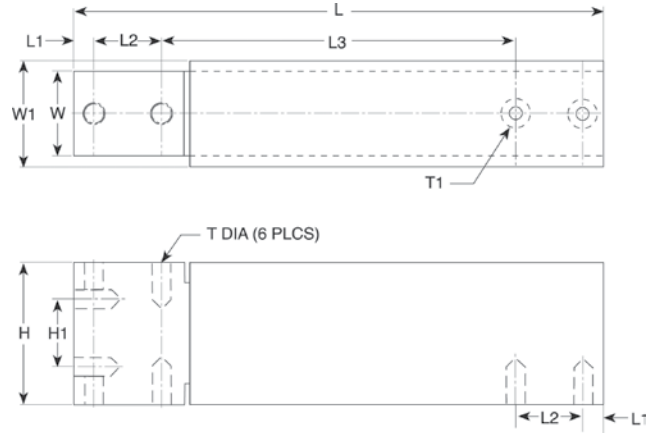
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1521A	173
VPG BLH®	C2G1	—
NMB®	C2G1	—
VPG Tedeia-Huntleigh®	1022	338

# LOC



Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0 mV/V	<b>Temperature:</b> Compensated range 14°F to 104°F (-10°C to 40°C) Operating range -40°F to 150°F (-40°C to 65°C)	<b>Non-repeatability:</b> 0.02%	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 350 (± 3) ohms	<b>Safe Overload:</b> 150% full scale	<b>Insulation Resistance:</b> 5,000 megohms	<b>Max Platform Size:</b> 16 x 16 in (350 x 350 mm)
<b>Input Resistance:</b> 410 (± 10) ohms	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Seal Type:</b> Environmentally sealed	<b>Warranty:</b> One-year limited warranty
<b>Material/Finish:</b> Aluminum	<b>Combined Error:</b> 0.25% full scale	<b>Cable Length:</b> NTEP Certified: 3 m (10 ft)	<b>Approvals:</b>  
		<b>Cable Diameter:</b> 0.200 PVC jacket	

## Dimensions

RATED CAPACITY	H	H1	L	L1	L2	L3	T	T1	W1	W
<b>kg/mm</b>										
5-100	40.00	19.00	150.00	6.00	19.00	100.00	1/4-20 UNC	1/4-28 UNF	25.00	30.00
<b>lb/in</b>										
11.0-220.5	1.57	0.75	5.91	0.24	0.75	3.94	1/4-20 UNC	1/4-28 UNF	1.00	1.18

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:5000</b>			
5 kg (11 lb)	39810	1 lb	\$175.00
7 kg (15.4 lb)	39809	1 lb	175.00
10 kg (22.0 lb)	39808	1 lb	175.00
15 kg (33.1 lb)	39807	1 lb	175.00
20 kg (44.1 lb)	39806	1 lb	175.00
30 kg (66.1 lb)	39805	1 lb	175.00
50 kg (110.2 lb)	39804	1 lb	175.00
100 kg (220.5 lb)	39803	1 lb	175.00

## Interchangeable Products

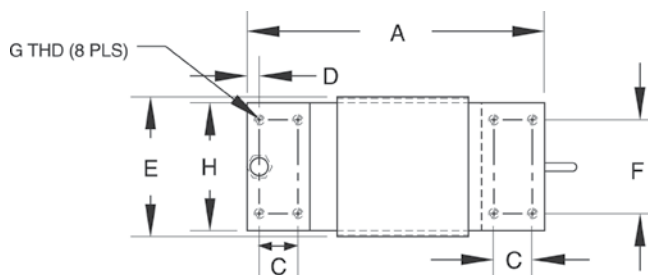
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1040	179
VPG Tedeo-Huntleigh®	1040	343

# LOC

Single Point, Aluminum, Heavy Capacity, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

410 ( $\pm 10$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.025% full scale

### Non-Repeatability:

0.02%

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

3 m (10 ft)

### Cable Diameter:

0.200 PVC jacket

### Cable Color Code:

Red ..... + Excitation  
Black..... - Excitation  
Green ..... + Signal  
White ..... - Signal

### Max Platform Size:

24 x 24 in (610 x 610 mm)

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	C	D	E	F	G	H
<b>kg/mm</b>							
100-500	191.00	25.00	11.00	82.00	60.00	5/16-18 UNC x 20 DP	75.00
<b>lb/in</b>							
220.5-1,102.5	7.52	0.98	0.31	3.23	2.36	5/16-18 UNC x 0.59 DP	2.95

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
100 kg (220.5 lb)	39797	7 lb	\$295.00
150 kg (330.7 lb)	39796	7 lb	295.00
250 kg (551.2 lb)	39795	7 lb	295.00
300 kg (661.4 lb)	39794	7 lb	295.00
500 kg (1,102.3 lb)	39793	7 lb	295.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1250	184
VPG Teda-Huntleigh®	1250	352
Rice Lake Weighing Systems	RLPWM12	176
HBM®	PW12	255

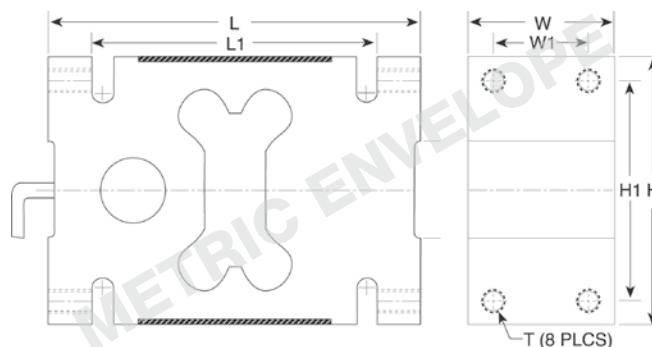
# HOC

Single Point

VPg CELTRON



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
410 ( $\pm 10$ ) ohms

**Material/Finish:**  
Anodized aluminum

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, potted

**Cable Length:**  
6 m (20 ft)

**Cable Color Code:**  
Red ..... + Excitation  
Black..... - Excitation  
Green..... + Signal  
White ..... - Signal

**Max Platform Size:**  
4 x 4 ft (1.22 x 1.22 m)

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	H	H1	L	L1	T	W	W1
<b>kg/mm</b>							
750-2,000	125.00	95.00	176.00	134.5	M16 x 2-6H	76.00	46.00
<b>lb/in</b>							
1,653.8-4,409.2	4.92	3.74	6.93	5.30	M16 x 2-6H	2.99	1.81

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
750 kg (1653.8 lb)	42117	—	\$400.00
1,000 kg (2,205.0 lb)	42118	—	400.00
2,000 kg (4,410.0 lb)	42119	—	400.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPg Tedeo-Huntleigh®	1320	353

www.ricelake.com | Phone: 800-472-6703

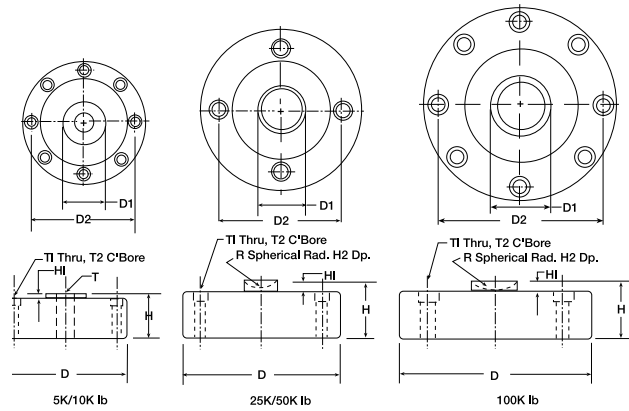


# LCD

Compression\* Disk, Alloy Steel



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
4.0 mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms (5,000 lb-50,000 lb)  
700 ( $\pm 5$ ) ohms (100,000 lb)

**Input Resistance:**  
385 ( $\pm 5$ ) ohms (5,000 lb-50,000 lb)  
770 ( $\pm 70$ ) ohms (100,000 lb)

**Material/Finish:**  
High-alloy steel, nickel plated

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
15 VDC (15 V maximum)

**Nonlinearity:**  
0.05% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
2,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
50 ft (15.2 m)

**Cable Diameter:**  
0.200 polyurethane jacket (5,000 lb-25,000 lb)  
0.305 polyurethane jacket (50,000 lb-100,000 lb)

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White.....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	T	R	D	D2	H	H1	H2	T1	T2
<b>lb/in</b>									
5,000*-10,000*	5/8-18 UNF-3B	—	4.12	3.50	1.37	0.12	—	0.28	0.406 x 0.283 DP
25,000-50,000	—	0.875	4.75	4.00	2.12	0.50	0.31	0.34	0.508 x 0.38 DP
100,000	—	0.875	5.43	4.60	2.25	0.25	0.31	0.41	0.626 x 0.4 DP
<b>kg/mm</b>									
2,268.0*-4,539.9*	5/8-18 UNF-3B	—	104.6	34.8	34.8	3.05	7.6	7.2	10.3 x 7.2 DP
11,339.8-22,679.7	—	22.2	120.7	101.6	53.8	12.7	8.00	8.7	12.9 x 9.7 DP
45,359.4	—	22.2	138.00	116.8	57.2	6.4	8.00	10.3	10.3 x 10.2 DP

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
5000 lb*	(2,268.0 kg)	41966	6 lb	\$600.00
10,000 lb*	(4,535.9 kg)	41967	6 lb	600.00
25,000 lb	(11,339.8 kg)	41968	9 lb	775.00
50,000 lb	(22,679.7 kg)	41969	9 lb	775.00
100,000 lb	(45,359.4 kg)	41970	12 lb	920.00
Ball 1.25 in diameter		65841	—	30.00
Load cup**		33616	—	35.00

\* 5,000 lb and 10,000 lb models can be used in compression and tension load applications.

\*\* Load cup, PN 33616, is required for compression applications on 5,000 lb and 10,000 lb capacity load cells and is sold separately

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL90000	168



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# Table of Contents

## S-Beams

Page 222

### UB1, Stainless Steel



The UB1 stainless steel s-beam is designed for single or multiple-cell tension load applications. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration in multiple-cell applications. It features true hermetic sealing of both the strain gauge area and cable entry, providing the ultimate in protection from outside elements. 20ft (6.1 m) includes field-replaceable load cell cable to simplify cable and load cell repairs. Capacities range from 1,125 lb to 11,250 lb (1 kN to 50 kN/102.1 kg to 5,102.9 kg).



Page 223

### UB6, Stainless Steel



The UB6 stainless steel s-beam is designed to meet the most stringent accuracy requirements. 10ft (3.1 m) included field-replaceable load cell cable to simplify cable and load cell repairs. Capacities range from 225 lb to 1,125 lb (1 kN to 5 kN/102.1 kg to 510.3 kg).



## Single-Ended Beams

Page 224

### SLB, Stainless Steel



This stainless steel single-ended beam has one of the highest NTEP Certified ratings in the industry. A new generation of potting makes this load cell suitable for tough industrial environments. Capacities range from 200 lb to 5,000 lb (44.0 kg to 2,268 kg). Complete with 10ft (3.1 m) of load cell cable.



Page 225

### SB4, Stainless Steel



The SB4 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® HS mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. It features true hermetic sealing of both the strain gauge area and cable entry, providing the ultimate in protection from outside elements. Includes field-replaceable load cell cable to simplify cable and load cell repairs. NTEP Certified capacities range from 1,125 lb to 11,250 lb (5 kN to 50 kN/510.3 kg to 5,102.9 kg) Non-NTEP Certified capacity of 22,500 lb (100 kN/10,202.5 kg).



Page 226

### SB5, Stainless Steel



The SB5 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® EP mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. NTEP Certified capacities range from 1,125 lb to 11,250 lb (5 kN to 50 kN/510.3 kg to 5,102.9 kg); Non-NTEP Certified capacity of 22,500 lb (100 kN/10,202.5 kg).



Page 227

### BK2, Stainless Steel



The BK2 is the latest offering from one of the premier suppliers of quality load cells in the world. This new model was designed to lower the scale profile by providing a load cell that is half the overall height of traditional solutions. Ideal for applications such as low-profile floor scales, this model is constructed of stainless steel and has been environmentally potted to provide suitable protection for indoor applications. In addition, the standard calibration technique used by Flintec avoids time-consuming calibration for multiple load cell applications. The BK2 is available in capacities from 200 kg to 2,000 kg and includes 10ft (3.1 m) of standard load cell cable.



Page 228

### SB6, Stainless Steel



The SB6 load cell is a stainless steel, fully hermetically sealed single-ended beam suitable for the harshest environments. The special loading hole provides an excellent price-to-performance ratio, and also allows a very low-profile design. Capacities range from 0.2 kN-2 kN (44.1 lb to 441.0 lb). Complete with 10ft (3.1 m) of load cell cable.



# Table of Contents

## Single-Ended Beams

### Page 229 SB10, Stainless Steel



The SB10 load cell is used in the 2.3 kN Paramount® assemblies. This stainless steel, hermetically sealed load cell provides full IP68 sealing protection for the harshest environments. Ideal for use in multiple-cell floor scale, tank and hopper applications. The unique millivolt/volt/ohm factory calibration assures matched outputs for easy field replacement and calibrations. The capacity of this model is 520lb (2.5kN). Each unit is supplied complete with 10 ft (3.1 m) of load cell cable.



### Page 230 SB14, Stainless Steel



The SB14 load cell is a stainless steel, fully hermetically sealed single-ended beam suitable for the harshest environments. Capacities range from 1,000 kg to 5,000 kg (2,205.0lb to 11,025lb). Complete with 10 ft (3.1 m) of load cell cable.



## Compression Canisters

### Page 231 RC1, Stainless Steel



The RC1 load cell offers stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Capacities are 56,000 lb and 90,000 lb (250 kN and 400 kN/25,401.6 kg and 40,824.0 kg). Each unit is supplied complete with 32 ft (9.8m) of field-replaceable load cell cable to simplify cable and load cell repairs.



### Page 232 RC3, Stainless Steel, Hermetically Sealed



The RC3 is a stainless steel, hermetically sealed load cell. This rocker design provides superior performance and full hermetic design in applications where moisture and high humidity are problems. Available in capacities from 7.5t to 50t.



# Table of Contents

## Single Points

Page 233

### PCB, Stainless Steel, Hermetically Sealed



The PCB is the first full stainless steel, hermetically sealed “brick” type of load cell on the market. This unique design provides superior protection in applications where moisture and high humidity are problems. This model features both a welded gauge cavity area, and waterproof cable entry for long-lasting performance in almost any platform scale application. Interchangeable with the industry’s most popular designs, this model provides the ability to upgrade applications. Available in capacities from 110.2 lb to 2,205 lb, (50 kg to 1,000 kg), each unit includes 10 ft (3.1 m) of load cell cable.



Page 234

### PC1, Stainless Steel



PC1 load cells offer stainless steel and environmentally protected seal, making these cells suitable for use in tough industrial environments. Capacities range from 33.1 lb to 441.0 lb (15 kg to 200 kg).



Page 235

### PC6, Stainless Steel



The PC6 load cells offer stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Includes 3.3 ft (1 m) of field-replaceable load cell cable to simplify cable and load cell repairs. Capacities range from 44.1 lb to 220.5 lb (20 kg to 100 kg).



Page 236

### PC7, Stainless Steel



The stainless steel, hermetically sealed PC7 is ideal for washdown applications. Sealed to IP68/IP69K standards, the PC7 comes standard with three meters of cable and an integrated mounting spacer, making installation easy.



Page 237

### PC2, Stainless Steel



This high-accuracy stainless steel single-point load cell is an ideal replacement cell for hopper applications where damaged bellows are a problem. This cell also features complete hermetic sealing for use in the toughest environments. This product is offered at 150 kg (330.7 lb) and comes complete with 10 ft (3.1 m) of load cell cable.



## Planar Beam

Page 238

### PB, Aluminum



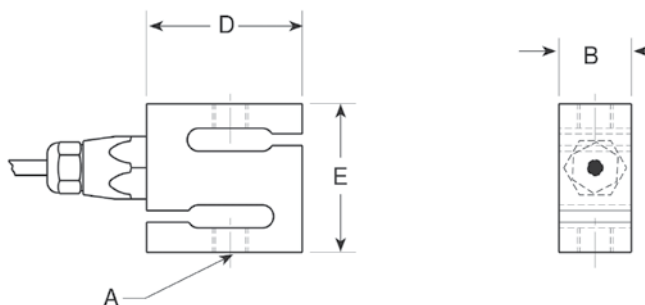
The Flintec PB planar beam is an inexpensive alternative for low profile, light capacity applications. The compact size and mV/V per ohm calibration simplifies installation. Capacities range from 15 kg to 150 kg and includes 3.3 ft (1 m) of load cell cable.

# UB1

S-Beam, Stainless Steel, Hermetically Sealed, IP68



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V\*\*

### Output Resistance:

1000 (± 2) ohms

### Input Resistance:

1100 (± 50) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0 to -0.03% full scale

### Hysteresis:

0 to +0.05% full scale

### Total Error:

± 0.03%

### Insulation Resistance:

10,000 megohms

### Seal Type:

Hermetically sealed, IP68

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	D	E
<b>lb/inches</b>				
2,250-4,500 (10 kN-20 kN*)	5/8-18	1.18	3.38	3.62
11,250 (50 kN*)	1-12 UNF	1.69	5.62	5.37
<b>kg/mm</b>				
1,020.6-2,358.7 (10 kN-23 kN*)	5/8-18	30.0	85.9	92.0
5,102.9 (50 kN*)	1-12	42.9	68.1	136.4

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>UB1</b>				
2,250 lb	(10 kN*) (1,020.6 kg)	17073	4 lb	\$695.00
4,500 lb	(20 kN*) (2,358.7 kg)	17074	4 lb	695.00
11,250 lb	(50 kN*) (5,102.9 kg)	17075	13 lb	895.00
Conduit adapter, 1/2-14 NPT		17703	1 lb	40.00

\*kN=Kilonewtons, 1 kN=224.8089 lb

\*\*Matched outputs via mV/V/ohm calibration

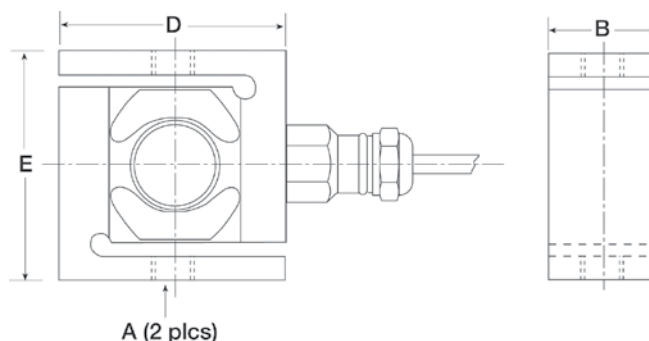
Also available with metric threads

# UB6

S-Beam, Stainless Steel, OIML C3, Hermetically Sealed, IP68



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V\*\*

**Output Resistance:**  
1000 ( $\pm 2$ ) ohms

**Input Resistance:**  
1100 ( $\pm 50$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
200% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.196 polyurethane jacket

**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	D	E
<b>lb/inches</b>				
225-1125 (1 kN-5 kN*)	1/2-20 UNF	1.20	2.42	2.42
<b>kg/mm</b>				
102.1-510.3 (1 kN-5 kN*)	1/2-20 UNF	30.0	61.5	61.5

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
225 lb	(1 kN*) (102.1 kg)	36214	3 lb	\$595.00
450 lb	(2 kN*) (204.1 kg)	36215	3 lb	595.00
1,125 lb	(5 kN*) (510.3 kg)	36216	3 lb	595.00

\*kN=Kilonewtons, 1 kN=224.8089 lb

\*\*Matched outputs via mV/V/ohm calibration

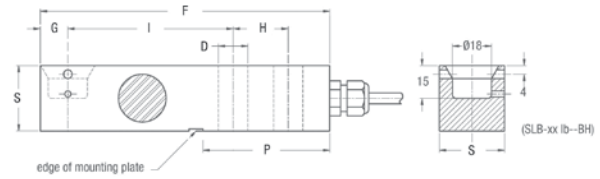
Also available with metric threads

# SLB

Single-Ended Beam, Stainless Steel, NTEP Certified, 1:4000 Class III Single Cell/1:7500 Class III Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

1000 (± 2) ohms

### Input Resistance:

1100 (± 50) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Insulation Resistance:

5,000 megohms

### Combined Error:

0.01% full scale

### Seal Type:

Environmentally sealed

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	D	F	G	H	I	J	P	S
<b>lb/in</b>									
200-5,000	0.59	0.51	5.37	0.50	1.00	3.00	51.00	2.42	1.19
<b>kg/mm</b>									
91-2268	15.1	13.00	136.3	12.7	25.4	76.2	12.00	61.4	30.1

## Order Information: Blind Hole

LOAD RATING		PART#	EST. SHIPPING WEIGHT	PRICE
200 lb	(91 kg)	77422	3 lb	\$325.00
500 lb	(226.8 kg)	77423	3 lb	325.00
1,000 lb	(453.6 kg)	68527	3 lb	325.00
2,500 lb	(1,134 kg)	68528	3 lb	325.00
5,000 lb	(2,268 kg)	68529	3 lb	325.00

Threaded version obsolete

## Interchangeable Products

MANUFACTURER	MODEL
Fairbanks®*	LCF-HR4050-3

\*Stainless overbraid cable

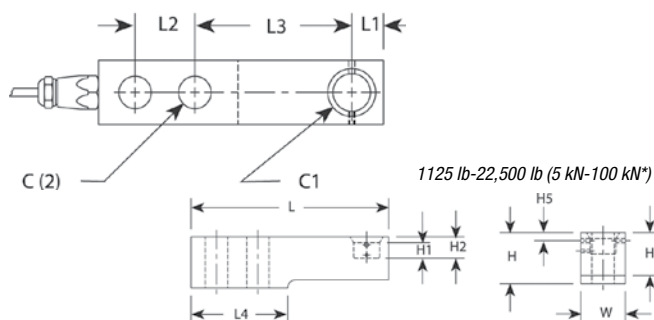


# SB4

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V  $\pm$  0.07%\*\*

### Output Resistance:

1000 ( $\pm$  2) ohms

### Input Resistance:

1100 ( $\pm$  50) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0 to -0.03% full scale

### Hysteresis:

0 to +0.05% full scale

### Combined Effect of Nonlinearity and Hysteresis:

$\pm$  0.03% full scale

### Insulation Resistance:

10,000 megohms

### Deflection at Capacity:

2,250 lb=0.012 in (0.3 mm),  
5,200 lb=0.02 in (0.5 mm),  
11,250 lb=0.012 in (0.3 mm),  
22,500 lb=0.016 in (0.4 mm)

### Seal Type:

Hermetically sealed, IP69K

### Cable Length:

225 lb-5,200 lb=10 ft (3.1 m)  
11,250 lb-22,500 lb=15 ft (4.6 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	C1	H	H1	H2	H3	H5	L	L1	L2	L3	L4	W
<b>lb/in</b>													
1,125-5,200 (5-23 kN*)	0.53	0.71	1.42	0.39	0.59	1.19	0.16	6.10	0.59	1.38	3.15	2.98	1.18
11,250 (50 kN*)	0.85	0.98	1.93	0.58	0.81	1.62	0.31	7.48	0.83	1.57	4.13	3.66	1.69
22,500 (100 kN*)	1.06	1.18	2.87	0.82	1.21	2.43	—	9.65	1.19	1.97	5.31	4.72	2.36
<b>kg/mm</b>													
102.1-235.9 (1-2.3 kN*)	—	8.6	30.0	—	14.2	4.8	3.1	129.8	9.7	18.0	82.0	50.8	30.0
510.3-2,358.7 (5-23 kN*)	13.5	18.0	36.1	9.9	15.0	30.2	4.1	154.9	15.0	35.1	80.0	75.7	30.0
5,102.9 (50 kN*)	21.6	24.9	49.0	14.7	20.6	41.2	7.9	190.0	21.1	39.9	104.9	93.0	42.9
10,205.8 (100 kN*)	26.9	30.0	72.9	20.8	30.7	61.7	—	245.1	30.2	50.0	134.9	119.9	59.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:5000</b>			
1,125 lb (5 kN*/510.3 kg)	26662	4 lb	\$650.00
2,250 lb (10 kN*/1,020.6 kg)	26663	4 lb	650.00
5,200 lb (23 kN*/2,358.7 kg)	26664	4 lb	650.00
11,250 lb (50 kN*/5,102.9 kg)	26665	7 lb	725.00
<b>Non-NTEP Certified</b>			
1,125 lb (5 kN*/510.3 kg)	17390	—	595.00
2,250 lb (10 kN*/1,020.6 kg)	17391	4 lb	595.00
5,200 lb (23 kN*/2,358.7 kg)	17392	4 lb	595.00
11,250 lb (50 kN*/5,102.9 kg)	17393	7 lb	650.00
22,500 lb (100 kN*/10,205.8 kg)	17394	15 lb	895.00
Conduit adapter, 1/2-14 NPT	17703	1 lb	40.00

\*kN=Kilonewtons, 1 kN=224.8089 lb

\*\*Matched outputs via mV/V/ohm calibration

## 30Ft Cables

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:5000</b>			
1,125 lb (5 kN/510.29 kg)	100164	4 lb	\$755.00
2,250 lb (10 kN/1,020.58 kg)	100165	4 lb	755.00
5,200 lb (23 kN/2,358.68 kg)	100166	4 lb	755.00
11,250 lb (50 kN/5,102.91 kg)	100167	7 lb	895.00
<b>Non-NTEP Certified</b>			
1,125 lb (5 kN/510.29 kg)	100169	4 lb	685.00
2,250 lb (10 kN/1,020.58 kg)	100170	4 lb	685.00
5,200 lb (23 kN/2,358.68 kg)	100171	4 lb	685.00
11,250 lb (50 kN/5,102.91 kg)	100173	7 lb	765.00
22,500 lb (100 kN/10,205.82 kg)	100168	16 lb	950.00

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Paramounts® HS, HE	58

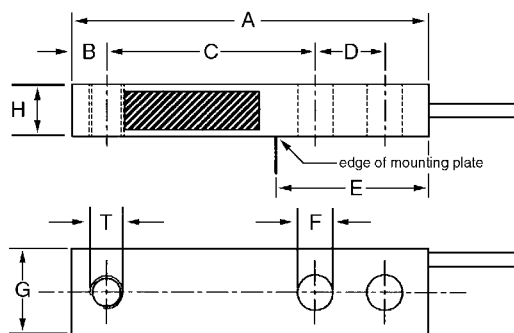


# BK2

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III, Multiple, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 ± 0.002\*\*

**Output Resistance:**  
1,000 (± 2) ohms

**Input Resistance:**  
1,100 (± 50) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
200% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 V AC/DC (15 V maximum)

**Combined Error:**  
0.030%

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Potted, IP67

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I
<b>lb/in</b>									
440.9	5.06	0.50	3.00	1.00	2.12	0.51 (2x)	1.25	0.62	1/2-20 UNF
1,102.5	5.06	0.50	3.00	1.00	2.12	0.51 (2x)	1.25	0.62	1/2-20 UNF
2,205.0	5.06	0.50	3.00	1.00	2.12	0.51 (2x)	1.25	0.75	1/2-20 UNF
4,410.0	5.06	0.50	3.00	1.00	2.12	0.51 (2x)	1.25	0.99	1/2-20 UNF
<b>kg/mm</b>									
200***	128.5	12.7	76.2	25.4	53.8	13(2x)	31.8	16.1	1/2-20 UNF
500	128.5	12.7	76.2	25.4	53.8	13(2x)	31.8	16.1	1/2-20 UNF
1,000	128.5	12.7	76.2	25.4	53.8	13(2x)	31.8	19.1	1/2-20 UNF
2,000	130.2	12.7	76.2	25.4	53.8	13(2x)	31.8	25.4	1/2-20 UNF

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
440.9 lb***	(200 kg)	84838	2 lb	\$225.00
1,102.5 lb	(500 kg)	84839	2 lb	225.00
2,205.0 lb	(1,000 kg)	84840	2 lb	225.00
4,410.0 lb	(2,000 kg)	84841	2 lb	225.00

\*Metric thread is available

\*\*Matched outputs via mV/V/ohm calibration

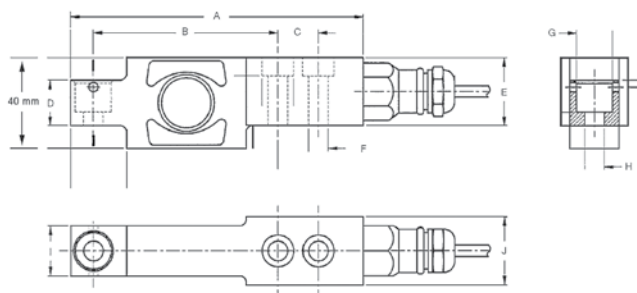
\*\*\*Non-NTEP Certified

# SB6

Single-Ended Beam, Stainless Steel, Hermetically Sealed, IP68, OIML C3



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
1,000 ( $\pm 2$ ) ohms

**Input Resistance:**  
1,100 ( $\pm 50$ ) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Operating range  
-40° F to 150° F (-40° C to 65° C)

**Safe Overload:**  
200% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.196 polyurethane jacket

**Cable Color Code:**

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

**Warranty:**

One-year limited warranty

**Approvals:**



Available  
upon request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>lb/in</b>										
44.1-441.0	5.12	3.23	0.71	0.79	1.18	0.34	0.63	0.34	0.87	1.18
<b>kn/mm</b>										
0.2-2	130.00	82.00	18.00	20.00	30.00	8.7	16.00	8.7	22.00	30.00

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
0.2 kN*	(44.1 lb)	41163	3 lb	\$495.00
0.5 kN	(110.2 lb)	41164	3 lb	495.00
1 kN	(224.8 lb)	41165	3 lb	495.00
2 kN	(440.9 lb)	41166	3 lb	495.00

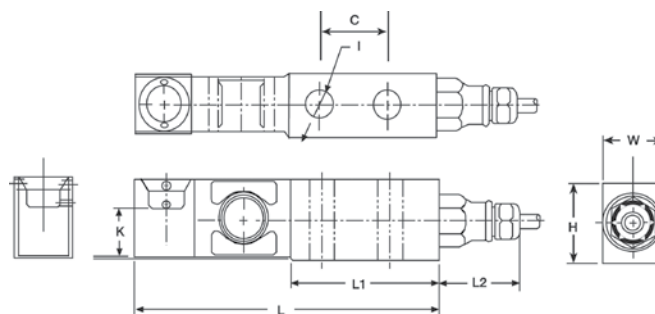
\*kN = Kilonewtons, 1kN = 224.8 lb

# SB10

Single-Ended Beam, Stainless Steel, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0 mV/V	<b>Safe Overload:</b> 200% full scale	<b>Combined Effect of Nonlinearity and Hysteresis:</b> ± 0.03% full scale	<b>Cable Diameter:</b> 0.196 polyurethane jacket
<b>Output Resistance:</b> 1,000 (± 2) ohms	<b>Safe Sideload:</b> 100% full scale	<b>Insulation Resistance:</b> 10,000 megohms	<b>Cable Color Code:</b> Green .....+ Excitation Black.....- Excitation White .....+ Signal Red .....- Signal Yellow ..... Shield
<b>Input Resistance:</b> 1,100 (± 50) ohms	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Deflection at Capacity:</b> 0.008 in (0.15 mm) (520 lb)	<b>Warranty:</b> One-year limited warranty
<b>Material/Finish:</b> Stainless steel	<b>Nonlinearity:</b> 0 to -0.03% full scale	<b>Seal Type:</b> Hermetically sealed, IP69K	
<b>Temperature:</b> Operating range -40° F to 150° F (-40° C to 65° C)	<b>Hysteresis:</b> 0 to +0.05% full scale	<b>Cable Length:</b> 10 ft (3.1 m)	

## Dimensions

RATED CAPACITY	L	L1	L2	H	W	I	K	C
<b>lb/in</b>								
520	6.10	2.98	1.60	1.58	0.59	0.520±.005	0.99	1.387
<b>kg/mm</b>								
235.9	155.0	75.7	40.6	40.1	15.0	0.520±.005	25.1	35.0

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
520 lb (2.3 kN*/235.9 kg)	38215	4 lb	\$995.00
Conduit adapter, 1/2-14 NPT	17703	1 lb	40.00

\*kN=Kilonewtons, 1 kN=224.8 lb

## Weigh Module Available

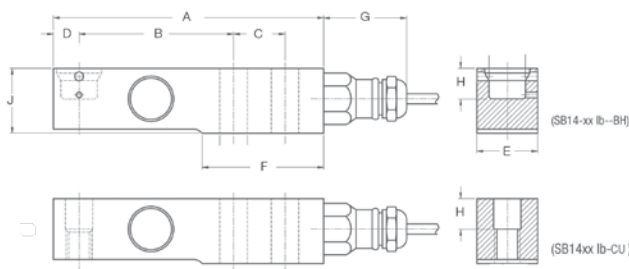
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Paramounts® HS, HE	58

# SB14

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, Hermetically Sealed, IP68



Picture is a representation of actual product  
Shown as the HB version



\* SB14XXCM versions available by special order

## Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

1,000 ( $\pm 2$ ) ohms

**Input Resistance:**

1,100 ( $\pm 50$ ) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

200% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Insulation Resistance:**

5,000 megohms

**Combined Effect of Nonlinearity and Hysteresis:**

$\pm 0.03\%$  full scale

**Seal Type:**

Hermetically sealed, IP68

**Cable Length:**

10 ft (3.1 m)

**Cable Diameter:**

0.196 polyurethane jacket

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

**Warranty:**

One-year limited warranty

**Approvals:**


Available  
upon request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I*	J
<b>lb/in</b>										
500-1,000	5.25	3.00	1.00	0.50	1.18	2.35	1.61	0.59	1/2-20 UNF	1.22
2,500	5.25	3.00	1.00	0.50	1.18	2.35	1.61	0.59	1/2-20 UNF	1.22
5,000	5.25	3.00	1.00	0.50	1.18	2.35	1.61	0.59	1/2-20 UNF	1.22
<b>kg/mm</b>										
226.8-453.6	133.4	76.2	25.4	12.7	30.0	59.9	41.00	15.00	1/2-20 UNF	31.00
1,134.0	133.4	76.2	25.4	12.7	30.0	59.9	41.00	15.00	1/2-20 UNF	31.00
2,268.0	133.4	76.2	25.4	12.7	30.0	59.9	41.00	15.00	1/2-20 UNF	31.00

## Order Information-CU Version\*

LOAD RATING		PART#	EST. SHIPPING WEIGHT	PRICE
500 lb	(226.8 kg)	41167	3 lb	\$445.00
1,000 lb	(453.6 kg)	41168	3 lb	445.00
2,500 lb	(1134 kg)	41169	3 lb	445.00
5,000 lb	(2268 kg)	41170	3 lb	445.00

\*CU versions have a counterbore/unified thread 1/2-20 UNF

\*\*HB versions have a blind load hole

## Order Information-HB Version\*\*

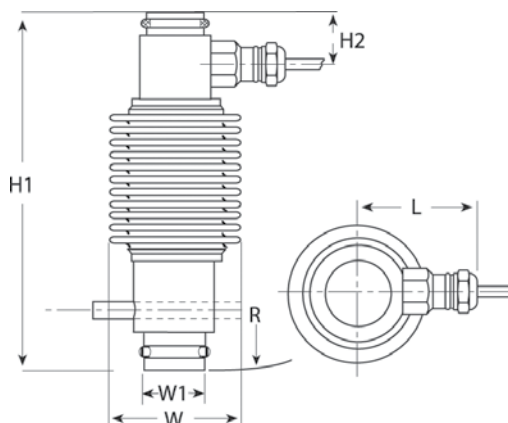
LOAD RATING		PART#	EST. SHIPPING WEIGHT	PRICE
500 lb	(226.8 kg)	119556	3 lb	\$445.00
1,000 lb	(453.6 kg)	119557	3 lb	445.00
2,500 lb	(1,134 kg)	119558	3 lb	445.00
5,000 lb	(2,268 kg)	119559	3 lb	445.00

# RC1

Rocker Column, Stainless Steel, NTEP Certified 1:10,000, OIML Multiple, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

351 (± 1) ohms

### Input Resistance:

400 (± 15) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Safe Sideload:

200% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Hermetically sealed, IP69K

### Cable Length:

56,000 lb-32.8 ft (10 m)  
90,000 lb-59.1 ft (18 m)

### Cable Diameter:

0.307 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



Available upon request

## Dimensions

RATED CAPACITY	H1	H2	L	R	W	W1
<b>lb/inches</b>						
56,000	7.56	1.22	2.44	10.98	2.83	1.46
90,000	8.86	1.34	2.72	14.02	3.35	1.46
<b>kg/mm</b>						
25,401.6	192.0	31.0	62.0	279.0	72.0	37.0
40,824.0	225.0	34.0	69.0	356.0	85.0	37.0

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
56,000 lb** (250 kN*/25,401.6 kg)	36217	8 lb	\$795.00
90,000 lb (400 kN*/40,824.0 kg)	36218	10 lb	1,350.00
Conduit adapter, 1/2-14 NPT	17703	1 lb	40.00
Load cup**, upper (250 kN only)	71602	—	135.00
Load cup**, lower (250 kN only)	44290	—	135.00
Anti rotation pin (zinc plated)	110816	—	3.00
Anti rotation pin (stainless steel)	152649	—	10.00

\*kN=Kilonewtons, 1 kN=224.8 lb

\*\*For Mettler-Toledo® digital to analog conversion: requires replacement of all system load cells, junction box, and instrumentation; consult factory. Kit on page 100.

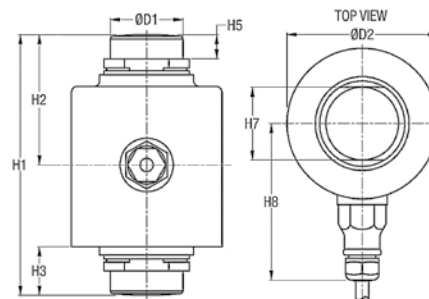
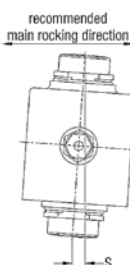
## Interchangeable Products

MANUFACTURER	PART #	MODEL
Fairbanks®	63215	LCF-HR4020-1







# RC3

Rocker Cell, Stainless Steel, NTEP Certified 1:10,000 III, OIML1 C3 Multiple, Hermetically Sealed, IP69K



Picture is a representation of actual product

## Specifications

<b>Full Scale Output:</b> 2.0 mV/V	<b>Temperature:</b> Compensated range 14° F to 104° F (-10° C to 40° C) Operating range -40° F to 150° F (-40° C to 65° C)	<b>Combined Error:</b> 0.02% full scale	<b>Cable Color Code:</b> Green .....+ Excitation Black.....- Excitation White .....+ Signal Red .....- Signal Yellow ..... Shield
<b>Output Resistance:</b> 1,000 (± 2) ohms		<b>Insulation Resistance:</b> 5,000 megohms	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 1,150 (± 50) ohms	<b>Safe Overload:</b> 200% full scale	<b>Seal Type:</b> Hermetically sealed IP69K	<b>Approvals:</b>
<b>Material/Finish:</b> Stainless steel	<b>Safe Sideload:</b> 200% full scale	<b>Cable Length:</b> 59.1 ft (18 m) (7.5 - 22.5t 40 ft cables)	   
	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Diameter:</b> 0.307 polyurethane jacket	

Available upon request

## Dimensions

RATED CAPACITY	H1	H2	H3	H5	H7	H8	D1	D2
<b>t/in</b>								
7.5t - 22.5t	3.50	1.73	0.67	0.43	1.10	2.95	1.10	2.56
30t and 50k	5.51	2.76	2.20	0.51	1.55	3.31	1.55	3.19
40t	5.91	2.95	1.22	0.51	1.55	3.31	1.55	3.19
50t	7.01	3.50	1.26	0.67	1.73	3.71	1.73	3.90
<b>t/mm</b>								
7.5t-22.5t	89.00	44.00	17.00	11.00	28.00	75.00	28.00	65.00
30t	140.00	70.00	26.00	13.00	39.00	84.00	39.00	81.00
40t	150.00	75.00	31.00	13.00	39.00	84.00	39.00	81.00
50t	178.00	89.00	32.00	17.00	44.00	94.00	44.00	99.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
7.5t	168944	3 lb	\$725.00
15t	168946	3 lb	725.00
22.5t	168947	3 lb	725.00
30t	84203	7 lb	925.00
40t	84204	9 lb	925.00
50t	84205	10 lb	1,195.00
50k	170734	—	995.00
Upper cup (50t)**	111365	5 lb	135.00
Lower cup(50t)**	111366	5 lb	135.00
Upper cup (50t)***	154107	5 lb	135.00
Lower cup (50t)***	154106	5 lb	135.00

\*\*For Mettler-Toledo® digital to analog conversion: requires replacement of all system load cells, junction box and instrumentation; consult factory. Kit on page 100.

\*\*\*Replacement cups for kits 129844 and 111367 on page 103.

## Interchangeable Products

MANUFACTURER	MODEL	PART NUMBER
Fairbanks®* 30 t	LCFHR4020-2A	70510
Fairbanks® 50 k	—	82052

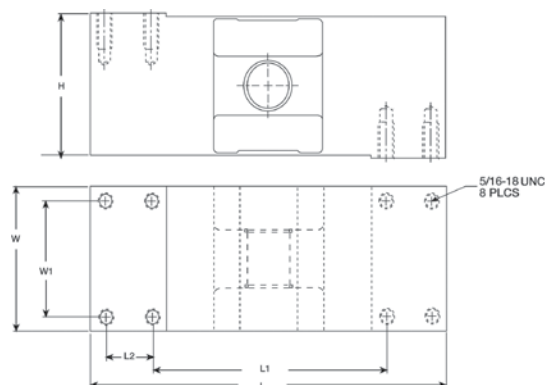
\*Stainless overbraid cable

# PCB

Single Point, Stainless Steel (IP68 Rated), NTEP Certified 1:5000 Class III Single Cell, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

960 ( $\pm 50$ ) ohms

### Input Resistance:

1100 ( $\pm 50$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (20 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

50 kg-1,000 kg = 0.015 in (0.4 mm)

### Seal Type:

Hermetically sealed, IP69K

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Max Platform Size:

39 in x 39 in

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	L	L1	L2	W	W1	H
<b>kg/mm</b>						
50-1,000	190.5	124.8	24.9	74.9	59.9	74.9
<b>lb/inches</b>						
110.3-2,205.0	7.50	4.92	0.98	2.95	2.36	2.95

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP 1:5000</b>				
50 kg	(110.3 lb)	45274	15 lb	\$795.00
100 kg	(220.5 lb)	45275	15 lb	795.00
250 kg	(551.3 lb)	45276	15 lb	795.00
500 kg	(1,102.5 lb)	45277	15 lb	795.00
1,000 kg	(2,205 lb)	45278	15 lb	795.00
Conduit adapter, 1/2-14 NPT		17703	1 lb	40.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1250*	184
VPG Celtron®	LOC*	214
VPG Tedeá-Huntleigh®	1250*	352
Rice Lake Weighing Systems	RLPWM12	176

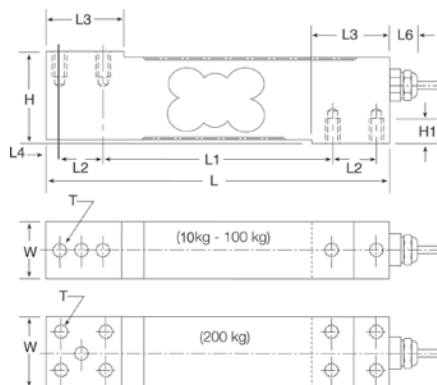
\* Environmentally sealed

# PC1

Single Point, Stainless Steel, NTEP Certified 1:3000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

330 (± 25) ohms

### Input Resistance:

390 (± 20) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10VDC (15V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

9.9 ft (3 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green.....+ Excitation  
Black.....- Excitation  
White.....+ Signal  
Red.....- Signal  
Yellow.....Shield

### Max Platform Size:

18 x 18 in

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	H1	H2	L	L1	L2	L3	L4	L5	L6	W	T
<b>lb/in</b>												
22.0-220.5	1.57	0.40	0.06	5.90	3.93	0.75	1.26	0.24	0.61	0.79	1.00	1/4-20 x 0.75DP
441.0	1.57	0.40	0.06	5.90	3.93	0.75	1.26	0.24	0.61	0.79	1.50	1/4-20 x 0.75DP
<b>kg/mm</b>												
10-100	40.00	10.00	1.5	150.00	100.00	19.00	32.00	6.00	15.5	20.00	25.4	1/4-20 x 19.1DP
200	40.00	10.00	1.5	150.00	100.00	19.00	32.00	6.00	15.5	20.00	38.1	1/4-20 x 19.1DP

## Order Information

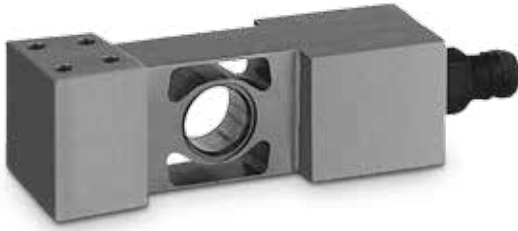
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22.0 lb)	41821	3 lb	\$300.00
15 kg (33.1 lb)	36219	3 lb	300.00
30 kg (66.1 lb)	36220	3 lb	300.00
50 kg (110.2 lb)	36221	3 lb	300.00
75 kg (165.4 lb)	36222	3 lb	300.00
100 kg (220.5 lb)	36223	3 lb	300.00
200 kg (441.0 lb)	36224	4 lb	445.00

## Interchangeable Products

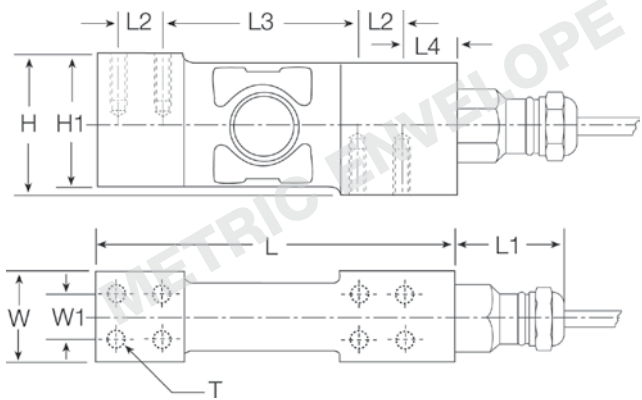
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1385	182

## PC6

Single Point, Stainless Steel, NTEP Certified 1:5000 Class III Single Cell, Hermetically Sealed, IP69K



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

960 ( $\pm 50$ ) ohms

### Input Resistance:

1100 ( $\pm 50$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
0°F to 150°F (-18°C to 65°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Hermetically sealed, IP69K

### Cable Length:

9.9 ft (3 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Max Platform Size:

24 in x 24 in

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	W	W1	T
<b>lb/in</b>										
44.1-441.0	1.89	1.80	4.84	1.61	0.60	2.66	0.70	1.18	0.60	8 x M6/15 DP
<b>kg/mm</b>										
20-200	48.0	45.5	123.0	41.0	15.2	67.6	17.8	30.1	15.2	8 x M6/15 DP

## Order Information

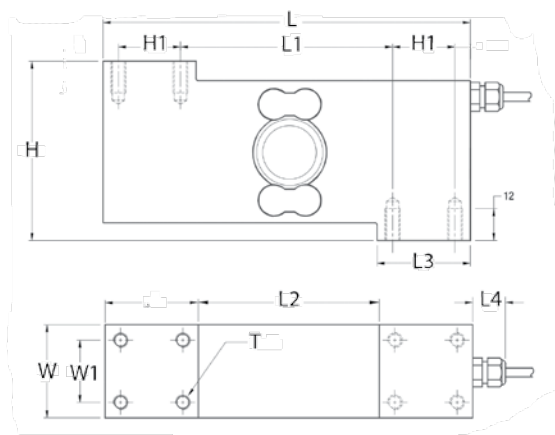
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
20 kg	(44.1 lb)	36225	3 lb	\$595.00
50 kg	(110.2 lb)	36226	3 lb	595.00
100 kg	(220.5 lb)	36227	3 lb	595.00
200 kg	(441.0 lb)	36228	3 lb	595.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLPC6	169

# PC7

Single Point, Stainless Steel, IP69K



## Specifications

### Full Scale Output:

2mV/V  $\pm$ 5%

### Output Resistance:

350 ( $\pm$  10) ohms

### Input Resistance:

380 ( $\pm$  20) ohms

### Capacity:

100 kg, 250 kg and 500 kg

### Material/Finish:

Stainless steel construction with electro-polished finish

### Seal Type:

Environmental protection IP69K with complete laser welded hermetic sealing

### Safe Overload:

150%

### Rated Excitation:

5-15 VDC

### Insulation Resistance:

5,000 megohms

### Temperature

Compensated range

14°F to 104°F (-10°C to 40°C)

Operating range

-40°F to 150°F (-40°C to 65°C)

### Max Platform Size:

Up to 600 x 600 mm

### Cable Length:

3 m

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Blue .....+ Sense  
Brown .....- Sense  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	W	W1	T
<b>In</b>										
100-500 kg	2.88	1.00	5.91	3.41	2.92	1.50	0.63	1.50	1.00	M8
<b>kg/mm</b>										
100-500	73.00	25.4	150.00	86.5	74.00	38.00	16.00	38.1	25.4	M8

## Order Information

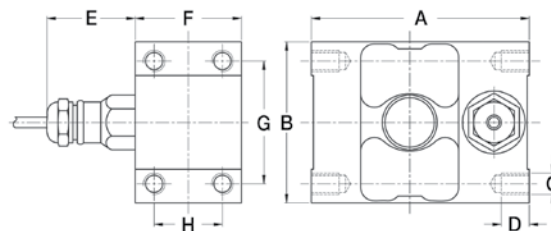
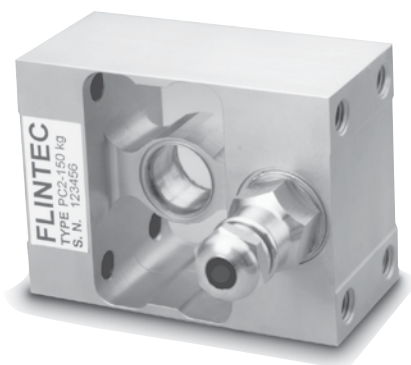
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
100 kg	220.5 lb	161719	6 lb	\$695.00
250 kg	55.13 lb	161720	6 lb	695.00
500 kg	1,102.5 lb	161721	6 lb	695.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPD Tedeo-Huntleigh®	1510	354

## PC2

Single Point, Stainless Steel, Hermetically Sealed, IP69K



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

960 ( $\pm 50$ ) ohms

### Input Resistance:

1100 ( $\pm 50$ ) ohms

### Material/Finish:

Stainless steel

### Seal Type:

Hermetically sealed, IP69K

### Safe Overload:

200% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Insulation Resistance:

5,000 megohms

### Combined Error:

0.02% full scale

### Temperature :

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.196 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Blue .....+ Sense  
Brown .....- Sense  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

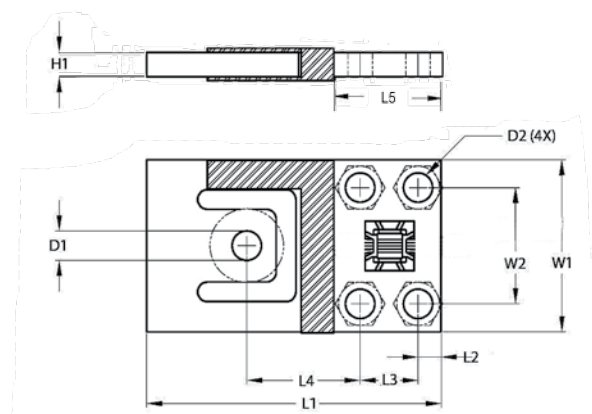
RATED CAPACITY	A	B	C	D	E	F	G	H
<b>kg/mm</b>								
150	101.6	75.00	M10	13.00	41.00	49.5	57.2	31.8
<b>lb/in</b>								
330.8	4.00	2.95	M10	0.51	1.61	1.95	2.25	1.25

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 kg (330.7 lb)	41176	2 lb	\$1,010.00



Picture is a representation of actual product



## Specifications

### Full Scale Output:

1 mV/V

### Output Resistance:

1000 ( $\pm 10$ ) ohms

### Input Resistance:

1180 ( $\pm 50$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC

### Combined Error:

0.060% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

IP65

### Cable Length:

1.5 m

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

### Warranty:

One-year limited warranty

## Dimensions

TYPE	L1	L2	L3	L4	L5	W1	W2	H1	D1	D2	DEFLECTION (MM) AT E MAX
15 kg	70	4.9	14	28	23.7	39	27.8	4.1	7.6	5.1	0.27
37.5 kg	76.2	6	15	29.3	27	44.5	30	4.8	7.6	6.6	0.36
75 kg	84.4	6.4	15	34	27.7	54.8	30	6.4	7.6	6.6	0.35
150 kg	107.3	7.8	22.9	45.9	38.4	69.9	44.5	7.9	9.1	8.1	0.56

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
15 kg	(36.4 lb)	96361	1 lb	\$75.00
37.5 kg	(82.7 lb)	96362	1 lb	80.00
75 kg	(165.4 lb)	96363	1 lb	85.00
150 kg	(330.7 lb)	96364	1 lb	100.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE
Rice Lake Weighing Systems	RLBLP	186

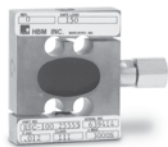


# Table of Contents

## S-Beams

Page 242

### RSC, Stainless Steel



Designed for both single and multiple-cell applications and built of stainless steel, the RSC is a superior choice for new or conversion applications. NTEP Certified capacities of 100lb to 5,000lb (45.4 kg to 2,268.0 kg); non-NTEP Certified capacities of 50lb and 10,000lb (22.7 kg and 4,535.9 kg). Complete with 25 ft (7.6 m) of load cell cable.



Page 243

### S35 Universal, Stainless Steel



The S35, universal "s" cell is constructed in stainless steel and offer dimensional and electrical interchangeability with several load cell manufacturers. Capacities range from 100lb to 5,000lb. Each cell comes with 20 ft (6.1 m) of load cell cable.



## Single-Ended Beams

Page 244

### H35, Stainless Steel



The H35 offers all stainless steel construction and integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Capacities range from 1,000lb to 5,000lb. Each cell comes with 20 ft (6.1 m) of load cell cable.



Page 245

### B35, Stainless Steel



This stainless steel model is both dimensionally and electrically interchangeable with several other popular stainless beam models. This model differs from other HBM beam products in that it carries a 3.0mV/V output, and has a 350-ohm bridge. Available in capacities ranging from 500lb to 4,000lb (226.8 kg to 1,360.8 kg), each load cell is also provided with 20 ft (6.1 m) of cable.



Page 246

### THC, Stainless Steel



Used in HBM's RTM weigh modules as well as Mettler-Toledo® weigh modules and floor scales. Stainless steel with a welded seal. NTEP Certified to 5,000 divisions. Complete with 15 ft or 30 ft of load cell cable.



Page 247

### A35, Alloy Steel



Single-ended beam designed for low-profile scales and process applications. NTEP Certified from 500lb to 2,500lb. Includes 20 ft of load cell cable.



Page 248

### BLC, Stainless Steel



Single-ended bending beam uniquely designed for versatile weighing. Directly interchangeable with other widely-used single-ended beams. Durable stainless steel construction with threaded counterboard load hole. Offers easy installation and load introduction. Capacities range from 1,000lb to 10,000lb (453.6 kg to 4,535.9 kg).



Page 249

### BBS, Alloy Steel



Low-cost bending beam load cell designed for precision force and weight measurement. Features excellent performance and protection against adverse environments, alloy and stainless steel sensing elements, and low mounting sensitivity. Capacities range from 50lb to 7,500lb (22.7 kg to 3,401.9 kg). Complete with 10 ft (3.1 m) of load cell cable.



# Table of Contents

## Single-Ended Beams

Page 250

### BLF, Stainless Steel



This bending beam is a replacement for the Fairbanks® low-profile bending beam. Capacities range from 2,500 lb and 5,000 lb (680.4 kg to 2,268.0 kg). Complete with 15 ft (4.6 m) of load cell cable.



Page 251

### Z6, Stainless Steel



The Z6 bending beam load cell is constructed of stainless steel with a welded seal. These features make the Z6 ideal for harsh or caustic environments as well as washdown applications. Capacities range from 44.1 lb to 2,204.6 lb (20 kg to 1,000 kg). Complete with 10 ft (3.1 m) of load cell cable.



## Compression Canisters

Page 252

### C16, Stainless Steel, Hermetically Sealed



The HBM C16 rocker column load cell is specifically designed for high-capacity weighing in the harshest environments. Ideal for truck scale applications, it features all stainless steel construction along with IP68 hermetic sealing. It is easy to install and maintain, providing real cost advantages for both new installations and retrofit projects. The HBM C16 is available in capacities ranging from 20 t to 40 t, and includes 12 m of load cell cable standard.



Page 253

### JRT, Alloy Steel



The JRT utilizes a unique torsion ring design and is intended for high capacity loading in tank, vessel and truck weighing applications. The design accommodates the highly accurate rocker pin load introduction technique. Capacities range from 20,000 lb to 100,000 lb (9,071.9 kg to 45,359.2 kg). Complete with 35 ft (10.7 m) of load cell cable.



# Table of Contents

## Single Points

Page 254

### SP4M, Aluminum



The SP4M is a low-profile, off-center load cell designed for use in retail, postal and platform scale applications. This high accuracy single point is manufactured from aluminum, and is moment compensated for guaranteed accuracy. The product is protected by a quality gauge coating compound that provides a barrier against high humidity environments. The SP4M is available in capacities from 7 kg to 100kg (15.4 lb to 220.5 lb), and comes standard with 3.3 ft (1 m) of load cell cable.



Page 255

### PW12, Aluminum



With capacities ranging from 50 kg to 1,000 kg, this load cell is NTEP Certified, OIML R60 and R76 approved. The PW12 is ideal for platform, hanging scale and other low-capacity beams applications. Complete with 10 ft (3.1 m) of load cell cable.



Page 256

### PW15, Stainless Steel

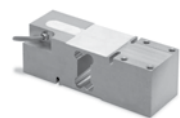


A new stainless steel, single point load cell from HBM. With capacities ranging from 22.1 lb to 220.5 lb (10 kg to 100 kg), this load cell is OIML R60 and R76 approved. The PW15 is ideal for platform, hanging scale and other low-capacity beam applications. Complete with 10 ft (3.1 m) of load cell cable.



Page 257

### PW16, Aluminum



With capacities ranging from 66.1 lb to 1,455.5 lb (30 kg to 635 kg), this load cell has a potted cavity and offers excellent performance in damp environments. Complete with 10 ft (3.1 m) of load cell cable.



Page 258

### PW15AH, Stainless Steel



The PW15AH by HBM is the new standard for hermetically sealed single-point load cells. A unique sealing process guarantees moisture protection from high-pressure jets. Available in 10, 20, 50 and 100 kg capacities; IP69K rated.



Page 259

### PWS, Stainless Steel

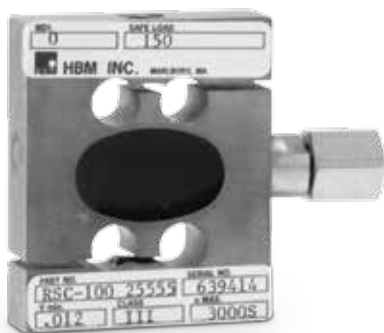


The PWS/PWSM is a single-point cell, constructed of stainless steel and designed to perform in harsh, high shock load environments. These features make the PWS/PWSM ideal for platform scales and packaging and process weighing equipment. Capacities range from 15.4 lb to 330.7 lb (7 kg to 150 kg). Complete with 10 ft (3.1 m) of load cell cable.

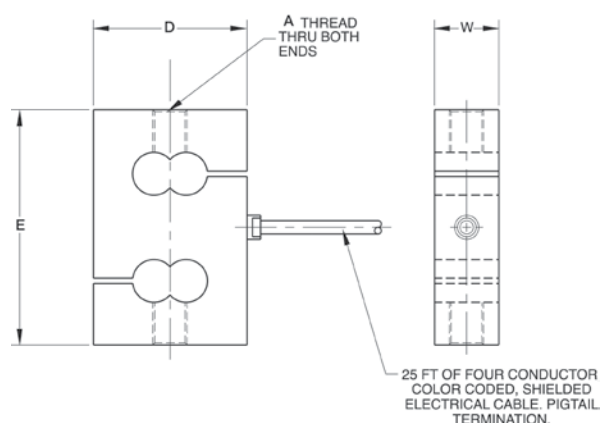


# RSC

S-Beam, Stainless Steel, NTEP Certified 1:3000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 ohms, nominal

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.03% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

25 ft (7.6 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	D	E
<b>lb/in</b>				
50-300	3/8-24	0.59	2.00	2.44
500-3,000	1/2-20	0.94	2.25	3.44
5,000	3/4-16	1.19	2.75	3.94
10,000	3/4-16	1.44	3.00	3.94
<b>kg/mm</b>				
22.7-136.1	3/8-24	15.0	50.8	62.0
226.8-4,535.9	1/2-20	23.9	57.2	87.4
2,268.0	3/4-16	30.2	69.9	100.1
4,535.9	3/4-16	36.6	76.2	100.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified</b>			
100 lb (45.4 kg)	21900	3 lb	\$525.00
200 lb (90.7 kg)	21901	3 lb	525.00
300 lb (136.1 kg)	21902	3 lb	525.00
500 lb (226.8 kg)	21903	3 lb	525.00
750 lb (340.2 kg)	21904	3 lb	525.00
1,000 lb (453.6 kg)	21905	3 lb	525.00
2,000 lb (907.2 kg)	21906	3 lb	525.00
3,000 lb (1,360.8 kg)	21907	3 lb	525.00
5,000 lb (2,268.0 kg)	21908	4 lb	725.00
<b>Non-NTEP Certified</b>			
50 lb (22.7 kg)	21899	3 lb	550.00
10,000 lb (4,535.9 kg)	21909	5 lb	775.00

NTEP Certified 1:10,000 Class III single cell available; consult factory for pricing.

## Weigh Module Available

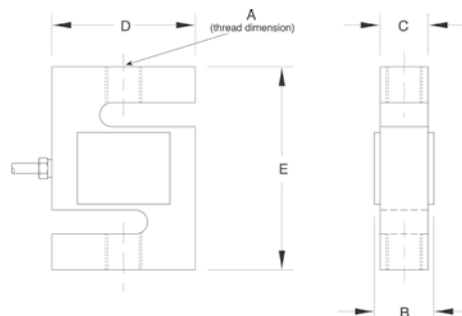
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# S35

S-Beam, Stainless Steel, NTEP Certified 1:3000 Class III 3S/1:10,000 Class IIIL 10S, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Output Resistance:

350 ( $\pm 3.5$ ) ohms

### Input Resistance:

430 ( $\pm 60$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03%

### Insulation Resistance:

10,000 megohms

### Deflection at Capacity:

0.010 in (0.25 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/in</b>					
100-300	1/4-28 UNF-2B	0.65	0.46	2.00	2.40
500-1,000	1/2-20 UNF-2B	0.90	0.71	2.00	2.40
2,000-2,500	1/2-20 UNF-2B	1.15	0.96	2.00	2.40
3,000	1/2-20 UNF-2B	1.15	0.96	3.00	3.90
5,000-10,000	3/4-16 UNF-2B	1.15	0.96	3.00	3.90
<b>kg/mm</b>					
45.4-136.1	1/4-28 UNF-2B	16.5	11.7	50.8	60.9
226.8-453.6	1/2-20 UNF-2B	22.9	18.0	50.8	60.9
907.2-1,134.0	1/2-20 UNF-2B	29.2	24.4	50.8	60.9
1,360.8	1/2-20 UNF-2B	29.2	24.4	76.2	99.1
2,268.0-4,535.9	3/4-16 UNF-2B	29.2	24.4	76.2	99.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
100 lb (45.4 kg)	64859	2 lb	\$300.00
200 lb (90.7 kg)	64860	2 lb	300.00
300 lb (136.1 kg)	64861	2 lb	300.00
500 lb (226.8 kg)	64862	2 lb	300.00
750 lb (340.2 kg)	64863	2 lb	300.00
1,000 lb (453.6 kg)	64864	2 lb	300.00
2,000 lb (907.2 kg)	64865	2 lb	300.00
2,500 lb (1,134.0 kg)	64866	2 lb	300.00

## Order Information Continued

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3,000 lb (1,360.8 kg)	64867	4 lb	\$300.00
5,000 lb (2,268.0 kg)	64868	4 lb	500.00

## Weigh Module Available

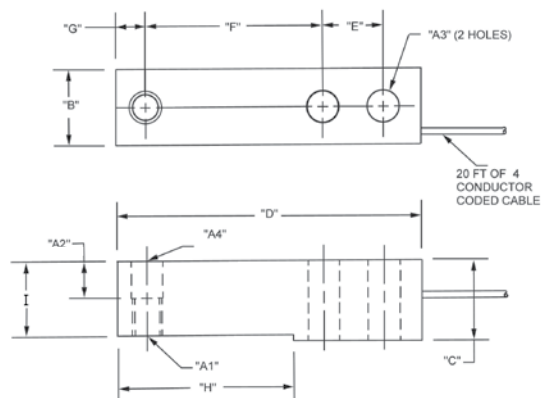
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# H35

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, Welded-Seal, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
350 ohms, nominal

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.03% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Welded-seal, IP67

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.190 polyurethane jacket

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
Yellow ..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F	G	H	I
<b>lb/in</b>												
500-5,000	1/2-20 UNF-2B	0.62	0.53	0.53	1.21	1.19	5.12	1.00	3.00	0.50	2.85	1.120
<b>kg/mm</b>												
453.6-2,268.0	1/2-20 UNF-2B	15.8	13.5	13.5	30.7	30.2	130.05	25.4	76.2	12.7	72.4	28.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 lb (226.8 kg)	84818	3 lb	\$390.00
1,000 lb (453.6 kg)	64876	3 lb	390.00
2,500 lb (1,134.0 kg)	64877	3 lb	390.00
4,000 lb (1,814.4 kg)	64878	3 lb	390.00
5,000 lb (2,268.0 kg)	64879	3 lb	390.00

## Interchangeable Products

MANUFACTURER	PART #
<b>Mettler Toledo®</b>	
500 lb-8 ft cable	TB601019-008
1,000 lb-20 ft cable	TB601016-020
2,500 lb-8 ft cable	TB601016-008
4,000 lb-20 ft cable	TB601017-020
5,000 lb-8 ft cable	TB601018-008
Mettler Toledo 500 lb	TB600830-020
Mettler Toledo 1000 lb	TB600831-020
Mettler Toledo 2000 lb	TB600832-020
Mettler Toledo 2500 lb	TB600833-020

## Interchangeable Products

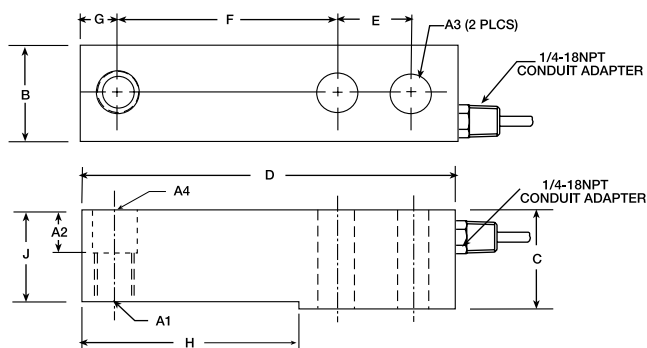
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023S	134
Rice Lake Weighing Systems	RLH35	129
VPG Revere®	9123	274

# B35

Single-Ended Beam, Stainless Steel, IP67 NTEP Certified 1:5000 Class III Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

350 ( $\pm 3$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.04%

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

0.010 in (0.25 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F	G	H	J
<b>lb/in</b>												
500	1/2-20 UNF-2B	0.50	0.53	0.53	1.21	1.00	5.12	1.00	3.00	0.50	2.85	0.93
1,000-4,000	1/2-20 UNF-2B	0.62	0.53	0.53	1.21	1.19	5.12	1.00	3.00	0.50	2.85	1.12
<b>kg/mm</b>												
226.8	1/2-20 UNF-2B	12.7	13.5	13.5	30.7	25.4	130.0	25.4	76.2	12.7	72.4	23.6
453.6-1,814.4	1/2-20 UNF-2B	15.7	13.5	13.5	30.7	30.2	130.0	25.4	26.2	12.7	72.4	28.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 lb (226.8 kg)	46486	3 lb	325.00
1,000 lb (453.6 kg)	46487	3 lb	325.00
2,000 lb (907.2 kg)	46488	3 lb	325.00
2,500 lb (1,134.0 kg)	46489	3 lb	325.00
4,000 lb (1,814.4 kg)	46491	3 lb	325.00

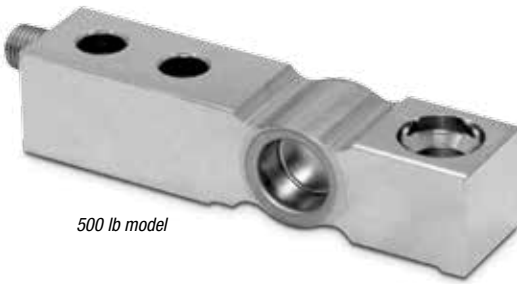
## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023S	134
VPG Revere®	9123	274
Mettler Toledo® 500 lb	TB600830-020	—
Mettler Toledo 1,000 lb	TB600831-020	—
Mettler Toledo 2,000 lb	TB600832-020	—
Mettler Toledo 2,500 lb	TB600833-020	—



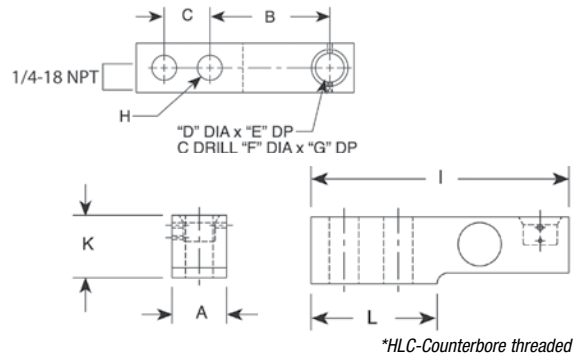
# THC

Single-Ended Beam, Stainless Steel, Welded-Seal, IP68 NTEP Certified 1:5000 Class III Multiple



500 lb model

Picture is a representation of actual product



\*HLC-Counterbore threaded

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

350 ohms, nominal

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03%

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded-seal, IP68

### Cable Length:

30 ft (9.1 m)  
15 ft (6.1 m) for 4,000 lb

### Cable Diameter:

0.190 polyurethane jacket

### Deflection:

500 lb-2,500 lb=0.010 in (0.25 mm)  
5,000 lb-10,000 lb=0.012 in (0.30 mm)

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	K	L
<b>lb/in</b>											
500-2,500	1.20	3.00	1.00	0.63	0.69	0.88	0.189	0.500	5.25	1.22	2.27
5,000	1.46	3.00	1.00	0.63	0.92	0.88	0.38	0.500	5.38	1.40	2.28
10,000	1.68	3.75	1.50	0.88	1.06	1.38	0.44	0.750	6.87	1.68	3.03
<b>kg/mm</b>											
226.8-1,134.0	30.5	76.2	25.4	16.00	17.5	22.4	4.8	12.7	133.3	30.9	57.6
2,268	37.1	76.2	25.4	16.00	23.4	22.4	9.7	12.7	136.7	35.5	57.9
4,536	42.7	95.3	38.1	22.4	29.7	35.1	11.8	19.1	174.5	42.6	76.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 lb (226.8 kg)	69999	3 lb	\$475.00
1,250 lb (567.0 kg)	70002	3 lb	475.00
2,500 lb (1,134 kg)	70005	3 lb	475.00
5,000 lb (2,268 kg)	70009	4 lb	600.00
10,000 lb (4,536 kg)	70014	6 lb	725.00

## Interchangeable Products

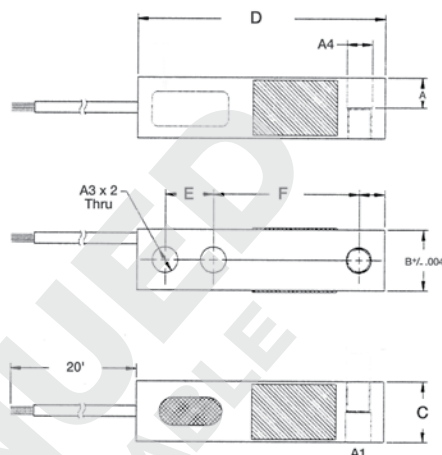
MANUFACTURER	PART #	PAGE #
Mettler-Toledo®	TB600529-500 lb	
Mettler-Toledo	TB600363-1250 lb	
Mettler-Toledo	TB600342-2500 lb	
Mettler-Toledo	TB600343-5000 lb	
Mettler-Toledo	TB600364-10000 lb	
Rice Lake Weighing Systems	RL30745	131

# A35

Single-Ended Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mv/v

### Output Resistance:

350 ( $\pm 2$ ) ohms

### Input Resistance:

350 ohms, nominal

### Material/Finish:

4340 alloy steel, nickel plated

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Insulation Resistance:

5,000 megohms

### Combined Error:

0.03% full scale

### Deflection at Capacity:

500 lb-5,000 lb=0.03 in (0.77 mm)

### Seal Type:

Environmentally sealed IP67

### Cable Length:

20 ft (6.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A	A3	A4	B	C	D	E	F	G
<b>lb/in</b>										
500	1/2-20 UNF	0.50	0.53	0.53	1.00	1.25	5.12	1.00	3.00	0.53
1,000-5,000 SE*	1/2-20 UNF	0.62	0.53	0.53	1.25	1.25	5.12	1.00	3.00	0.53
<b>kg/mm</b>										
226.8	1/2-20 UNF	12.7	13.5	13.5	25.4	31.8	130.1	25.4	76.2	13.5
453.6-2,059.35 SE*	1/2-20 UNF	15.8	13.5	13.5	31.8	31.8	130.1	25.4	76.2	13.5

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 lb (226.8 kg)	98292	3 lb	\$300.00
1,000 lb (453.6 kg)	98293	3 lb	300.00
2,000 lb (907.2 kg)	98294	3 lb	300.00
2,500 lb (1,134.0 kg)	98295	3 lb	300.00
3,000 lb (1,360.8 kg)	98296	3 lb	300.00
4,000 lb (1,814.4 kg)	98297	3 lb	300.00
5,000 lb SE* (2,268.0 kg)	98298	3 lb	300.00

\*SE refers to small envelope

## Interchangeable Products

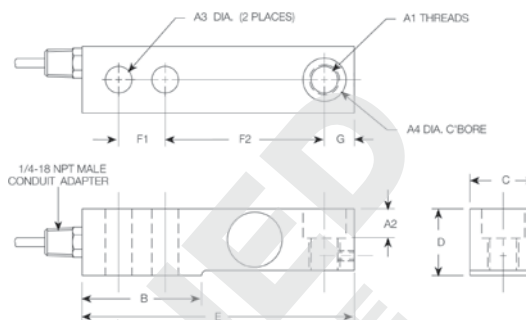
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023	133
VPG Sensortronics®	65023	306
VPG Celtron®	SQB	202

# BLC

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell\*



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V nominal

### Output Resistance:

1,000 ( $\pm 10$ ) ohms

### Input Resistance:

1,000 ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.05% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

500 lb-4,000 lb=0.010 in (0.25 mm),  
5,000 lb-10,000 lb=0.012 in (0.30 mm)

### Seal Type:

Environmentally sealed

### Cable Length:

500 lb-4,000 lb=10 ft (3.1 m),  
5,000 lb-10,000 lb=20 ft (6.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F1	F2	G
lb/in											
500-4,000	1/2-20 UNF-2B	0.56	0.52	0.81	2.27	1.21	1.19	5.25	1.00	3.00	0.60
5,000	3/4-16 UNF-2B	0.79	0.78	1.19	3.00	1.45	1.44	6.75	1.50	3.75	0.75
10,000	3/4-16 UNF-2B	0.79	0.78	1.19	3.00	1.69	1.69	6.75	1.50	3.75	0.75
kg/mm											
226.8-1,814.4	1/2-20 UNF-2B	14.2	13.2	20.6	57.6	30.7	30.2	133.3	25.4	76.2	15.2
2,268.0	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	36.8	36.6	171.5	38.1	95.3	19.1
4,535.9	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	42.9	42.9	171.5	38.1	95.3	19.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified* With Counterbore</b>			
500 lb (226.8 kg)	84817	3 lb	\$450.00
1,000 lb (453.6 kg)	21514	3 lb	440.00
2,500 lb (1,134.0 kg)	21504	3 lb	440.00
4,000 lb (1,814.4 kg)	21515	3 lb	440.00
5,000 lb (2,268.0 kg)	21505	4 lb	540.00
10,000 lb (4,535.9 kg)	21506	5 lb	640.00
<b>Non-NTEP Certified Without Counterbore</b>			
1,000 lb (453.6 kg)	17226	3 lb	440.00
2,500 lb (1,134.0 kg)	17227	3 lb	440.00
4,000 lb (1,814.4 kg)	17228	3 lb	440.00
5,000 lb (2,268.0 kg)	17229	4 lb	540.00
10,000 lb (4,535.9 kg)	17230	5 lb	640.00
<b>Bushing (for conversion to non-counterbore)</b>			
500 lb-4,000 lb, SST	17691	1 lb	8.00

\*NTEP Certified to 50% of rated capacity

## Order Information Continued

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified* Without Counterbore</b>			
500 lb (226.8 kg)	84816	3 lb	\$450.00
1,000 lb (453.6 kg)	63028	3 lb	440.00
2,500 lb (1,134.0 kg)	63029	3 lb	440.00
4,000 lb (1,814.4 kg)	63030	3 lb	440.00
5,000 lb (2,268.0 kg)	63031	3 lb	540.00
10,000 lb (4,535.9 kg)	63032	4 lb	640.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLBLC**	132

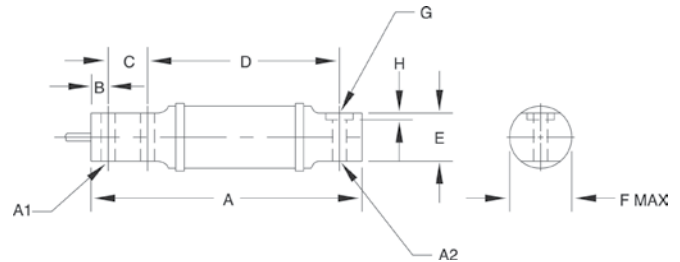
\*\*Non-NTEP Certified

# BBS

Single-Ended Beam, Alloy Steel



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

50 lb-1,000 lb = 750 ( $\pm 15$ ) ohms

### Input Resistance:

375 ( $\pm 10$ ) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

50% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.03% full scale

### Insulation Resistance:

1,000 megohms

### Deflection at Capacity:

50 lb=0.015 in (0.38 mm)  
100 lb=0.025 in (0.64 mm)  
200 lb-250 lb=0.030 in (0.76 mm)  
500 lb=0.020 in (0.51 mm)  
1,000 lb=0.040 in (1.02 mm)

### Seal Type:

Environmentally sealed

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	A1	A2	B	C	D	E	F	G	H
<b>lb/in</b>										
50-100	6.00	0.31	0.31	0.38	0.88	4.25	1.06	1.25	—	—
200-1,000	6.63	0.51	0.51	0.50	1.12	4.25	1.06	1.25	—	—
<b>kg/mm</b>										
22.7-45.4	152.4	7.9	7.9	9.7	22.4	108.00	26.9	31.75	—	—
90.7-453.6	168.4	13.00	13.0	12.7	28.5	108.00	26.9	31.75	—	—

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 lb (22.7 kg)	17352	3 lb	\$725.00
100 lb (45.4 kg)	17353	3 lb	725.00
200 lb (90.7 kg)	17354	3 lb	725.00
250 lb (113.4 kg)	17355	3 lb	725.00
500 lb (226.8 kg)	17356	3 lb	725.00
1,000 lb (453.6 kg)	17357	3 lb	725.00

## Interchangeable Products

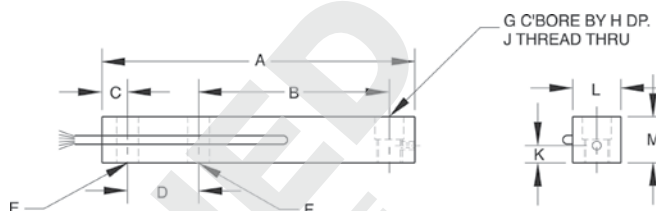
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL40BBS	145
VPG Sensortronics®	60007	—
VPG BLH®	LBG1	—
Fairbanks®	3-481XX-1, 3-486XX-1	—

# BLF

Single-Ended Beam, Stainless Steel



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Bridge Resistance:

1,000 ohms, nominal

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40°F to 150°F (-40°C to 65°C)

### Manufacturer Model Number:

BLF-XX-15100

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

10,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

15 ft (4.6 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L	M
<b>lb/in</b>												
2,500	9.00	6.00	0.62	1.75	0.59	0.53	0.69	0.56	5/8-18 UNF	0.31	1.19	1.13
5,000	10.00	6.25	1.00	2.00	0.84	0.78	0.94	0.50	7/8-14 UNF	0.50	1.44	1.44
<b>kg/mm</b>												
680.4-1,134.0	228.6	152.4	15.8	44.5	14.9	13.5	17.5	14.2	5/8-18 UNF	7.9	30.2	28.7
2,268.0	254.0	158.8	19.1	50.8	21.3	19.8	23.9	12.7	7/8-14 UNF	12.7	36.6	36.6

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
2,500 lb (1,134.0 kg)	17114	4 lb	\$640.00
5,000 lb (2,268.0 kg)	21917	6 lb	750.00
Load cup*	69400	1 lb	35.00
Locking screw	14929	1 lb	1.00

\*2,500 lb only

## Interchangeable Products

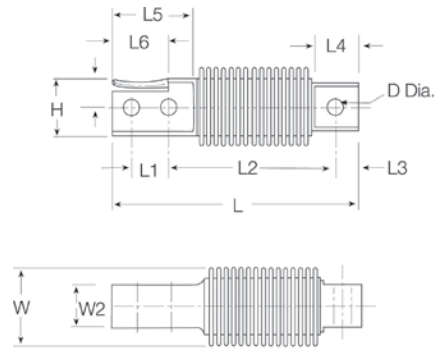
MANUFACTURER	MODEL
Fairbanks®	3-53581-X, 3-52921-1

# Z6

Single-Ended Beam, Stainless Steel, Welded-Seal, IP68, OIML C3



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
356 ( $\pm 0.12$ ) ohms

**Input Resistance:**  
350-400 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.05% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Welded seal, IP68

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.190 PVC jacket

**Cable Color Code:**  
Blue .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Green .....+ Sen  
Grey .....- Sen  
Clear ..... Shield

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	H	H1	L	L1	L2	L3	L4	L5	L6	W	W2	D
<b>lb/in</b>												
11-441.0	1.22	0.32	4.84	0.71	3.23	0.39	0.82	1.77	1.10	1.65	0.79	0.32
<b>kg/mm</b>												
5-200	31.00	8.1	123.0	18.00	82.00	9.9	21.00	45.00	27.9	42.00	20.1	8.20

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5 kg* (11 lb)	36172	2 lb	\$600.00
10 kg (22.0 lb)	36173	2 lb	600.00
20 kg (44.1 lb)	36174	2 lb	600.00
50 kg (110.2 lb)	36175	2 lb	600.00
100 kg (220.5 lb)	36176	2 lb	600.00
200 kg (441.0 lb)	36177	2 lb	600.00

\*D1 accuracy class

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems**	RLHBB	146
VPG Celtron®	HBB	206
VPG Revere®	SHB	280
VPG Tedeá-Huntleigh®	355	337

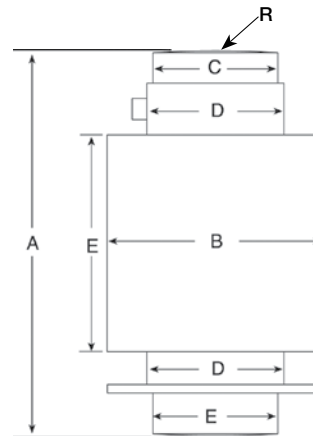
\*\* Except for 500 kg

# C16

Rocker Column Pin, Stainless Steel, Hermetically Sealed, IP68, NTEP Certified 1:10,000 Class IIIL Multiple Cell/OIML



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2 mV/V  $\pm$  1%

**Output Resistance:**  
706 ( $\pm$  3.5) ohms

**Input Resistance:**  
700 ( $\pm$  20) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
130% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
12 m

**Cable Diameter:**  
0.190 polyurethane jacket

**Cable Color Code:**  
White .....+ Signal  
Black.....- Excitation  
Blue .....+ Excitation  
Gray .....- Sense  
Red .....- Signal  
Yellow ..... Shield  
Green .....+ Sense

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	R
<b>t/mm</b>						
20	150.00	76.1	44.00	48.00	44.00	130.00
30	150.00	76.1	44.00	48.00	44.00	160.00
40	150.00	76.1	44.00	48.00	44.00	180.00
60	210.00	76.1	44.00	48.00	44.00	220.00
<b>t/in</b>						
20	5.90	3.00	1.73	1.89	1.73	5.11
30	5.90	3.00	1.73	1.89	1.73	6.30
40	5.90	3.00	1.73	1.89	1.73	7.08
60	8.27	3.00	1.73	1.89	1.73	8.66

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>OIML C3</b>			
20t	69312	6 lb	\$975.00
30t	69313	6 lb	975.00
40t	69314	10 lb	975.00
60t	125266	10 lb	1,025.00
<b>NTEP Certified C1</b>			
20t	106149	6 lb	975.00
30t	106150	6 lb	975.00
40t	106151	10 lb	975.00
60t	125265	10 lb	1,025.00

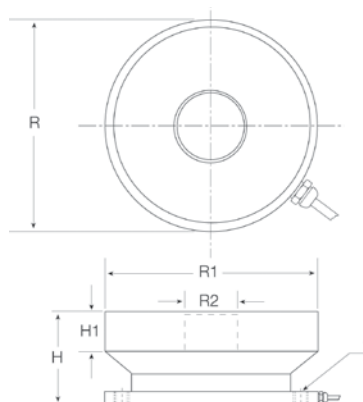


# JRT

Torsion Ring Transducer, Alloy Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

700 ( $\pm 5$ ) ohms

### Input Resistance:

750 ohms

### Material/Finish:

Alloy steel

### Temperature:

Compensated range  
14°F to 113°F (-10°C to 45°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 V AC/DC

### Combined Error:

0.03% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

35 ft (10.7 m), 75 ft (22.8 m)

### Cable Diameter:

0.190 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	H1	R	R1	R2	T
<b>lb/in</b>						
20,000	2.00	0.75	4.50	4.42	1.00	3/8-24 UNF
50,000	2.50	1.00	5.50	5.42	1.50	7/16-20 UNF
100,000	2.63	1.13	5.50	5.42	1.50	7/16-20 UNF
<b>kg/mm</b>						
9,071.9	50.8	19.1	114.3	112.3	25.4	3/8-24 UNF
22,679.6	63.5	25.4	139.7	137.7	38.1	7/16-20 UNF
45,359.2	66.8	28.7	139.7	137.7	38.1	7/16-20 UNF

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Alloy Steel NTEP Certified 1:10000</b>			
50,000 lb (22,679.6 kg)	36179	11 lb	\$1,525.00
100,000 lb (45,359.2 kg)	36180	12 lb	1,625.00
<b>Alloy Steel Non-NTEP Certified</b>			
20,000 lb (9071.9 kg)	36178	6 lb	1,425.00
<b>Replacement Rocker Pin for TWM mount</b>			
50,000 lb-100,000 lb (22,680 kg-45,359 kg)	161047	11 lb	50.00

## Weigh Module Available

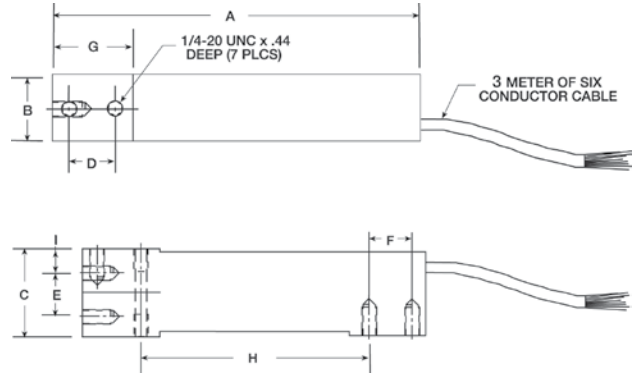
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	TWM	N/A

# SP4M

Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 (± 3) ohms

**Input Resistance:**  
350 ohms

**Material/Finish:**  
Anodized aluminum

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
5 kg-100 kg = 0.015 in (0.4 mm)

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.190 PVC jacket

**Cable Color Code:**  
Blue .....+ Excitation  
Black.....- Excitation  
Green.....+ Sense  
Gray.....- Sense  
White.....+ Signal  
Red.....- Signal  
Yellow..... Shield

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>kg/mm</b>										
7-100	150.3	25.4	39.9	19.1	19.1	19.1	33.8	99.6	11.4	2.4
<b>lb/in</b>										
15.4-220.5	5.92	1.00	1.57	0.75	0.75	0.75	1.33	3.92	0.45	0.093

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
7 kg	15.4 lb	72764	2 lb	\$205.00
10 kg	22.1 lb	72765	2 lb	205.00
15 kg	33.1 lb	72767	2 lb	205.00
20 kg	44.1 lb	72769	2 lb	205.00
30 kg	66.2 lb	72771	2 lb	205.00
50 kg	110.2 lb	72776	2 lb	205.00
75 kg	165.3 lb	72777	2 lb	205.00
100 kg	220.5 lb	72778	2 lb	205.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems*	RLSP4	175
Rice Lake Weighing Systems	RL1042	178
VPG Tedeia-Huntleigh®	1042	341

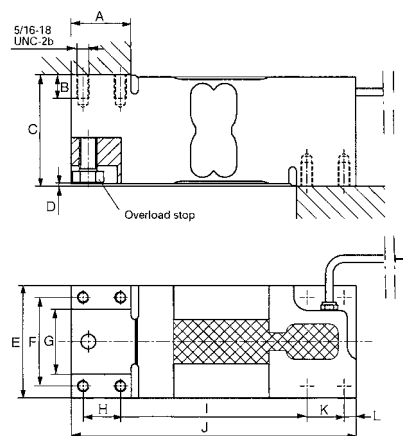
\*Color code is different

# PW12

Single Point, Aluminum IP67, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

330-430 ohms

### Input Resistance:

300-500 ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

1,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.190 PVC jacket

### Cable Color Code:

Blue ..... + Excitation  
Black ..... - Excitation  
Green ..... + Sense  
Gray ..... - Sense  
White ..... + Signal  
Red ..... - Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L
<b>lb/in</b>												
110.2-2,205.0	1.57	0.62	2.95	0.05	2.99	2.36	1.73	0.98	4.92	7.51	0.98	0.31
<b>kg/mm</b>												
50-1,000	40.00	16.00	75.00	1.5	76.00	60.00	44.00	25.00	125.00	191.00	25.00	8.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	76041	6 lb	\$300.00
75 kg (165.4 lb)	76042	6 lb	300.00
100 kg (220.5 lb)	76040	6 lb	300.00
150 kg (330.7 lb)	76043	6 lb	300.00
200 kg (440.9 lb)	76044	6 lb	300.00
250 kg (551.2 lb)	76045	6 lb	300.00
300 kg (661.4 lb)	76046	6 lb	300.00
500 kg (1,102.3 lb)	76047	6 lb	300.00
635 kg (1,400.1 lb)	76048	6 lb	300.00
1,000 kg (2,205.0 lb)	76049	6 lb	300.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems*	RLPWM12	176
Rice Lake Weighing Systems	RL1250	184
VPG Tedeá-Huntleigh®	1250	352

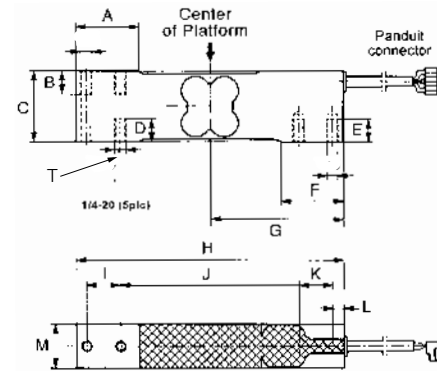
\*Color code is different

# PW15

Single Point, Stainless Steel, IP67 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

359 ( $\pm 5$ ) ohms

### Input Resistance:

380 ( $\pm 15$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

1,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.190 PVC jacket

### Deflection:

0.2 mm (0.007 in)

### Cable Color Code:

Blue .....+ Excitation  
Black .....- Excitation  
Green .....+ Sense  
Gray .....- Sense  
White .....+ Signal  
Red .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



Available  
upon  
request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>lb/in</b>													
22.1-220.5	1.37	0.51	1.57	0.51	0.51	1.37	2.95	5.90	0.74	3.93	0.74	0.24	0.98
<b>kg/mm</b>													
10-100	35.00	13.00	40.00	13.00	13.00	35.00	75.00	150.00	19.00	100.00	19.00	6.2	25.00

## Order Information NTEP Certified

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22.1 lb)	76769	3 lb	\$325.00
15 kg (33.1 lb)	76771	3 lb	325.00
20 kg (44.1 lb)	76772	3 lb	325.00
30 kg (66.2 lb)	76773	3 lb	325.00
50 kg (110.3 lb)	76774	3 lb	325.00
75 kg (165.3 lb)	76775	3 lb	325.00
100 kg (220.5 lb)	76776	3 lb	325.00
150 kg (330.7 lb)	84820	3 lb	325.00
<b>OIML</b>			
7.5 kg (16.5 lb)	156864	3 lb	295.00
10 kg (22.1 lb)	165101	3 lb	295.00
15 kg (33.1 lb)	156865	3 lb	295.00
20 kg (44.1 lb)	156866	3 lb	295.00
30 kg (66.2 lb)	156867	3 lb	295.00
50 kg (110.3 lb)	156868	3 lb	295.00
75 kg (165.3 lb)	156869	3 lb	295.00
100 kg (220.5 lb)	156870	3 lb	295.00

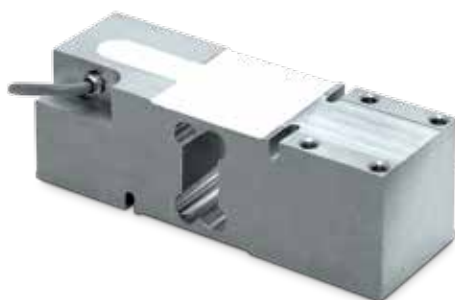
## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems*	RLPWM15	171

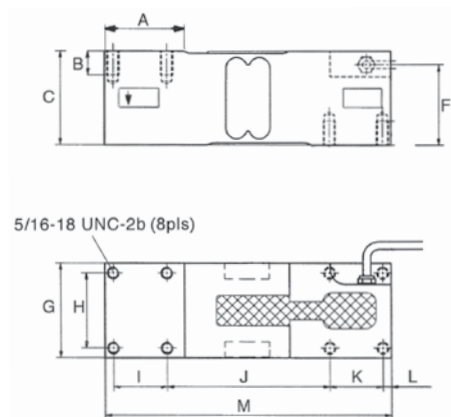
\*Color code is different

# PW16

Single Point, Aluminum, IP67, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

300-500 ohms

### Input Resistance:

300-500 ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.100 PVC jacket

### Cable Color Code:

Blue .....+ Excitation  
Black.....- Excitation  
Green.....+ Sense  
Gray .....- Sense  
White .....+ Signal  
Red .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>lb/in</b>													
66.1-1,401.1	2.04	0.62	2.45	2.36	0.62	2.05	2.48	1.96	1.37	4.21	1.37	0.21	7.40
<b>kg/mm</b>													
30-635	52.00	16.00	62.3	60.00	16.00	52.3	63.00	50.00	35.00	107.00	35.00	5.5	188.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
30 kg (66.1 lb)	76083	5 lb	\$275.00
50 kg (110.2 lb)	76084	5 lb	275.00
75 kg (165.4 lb)	76085	5 lb	275.00
100 kg (220.5 lb)	76086	5 lb	275.00
150 kg (330.7 lb)	76087	5 lb	275.00
200 kg (440.9 lb)	76088	5 lb	275.00
250 kg (551.2 lb)	76089	5 lb	275.00
300 kg (661.4 lb)	76090	5 lb	275.00
500 kg (1,102.3 lb)	76091	5 lb	275.00
635 kg (1,401.1 lb)	76092	5 lb	275.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems*	RLPWM16	177
Rice Lake Weighing Systems	RL1260	183
VPG Tedeo-Huntleigh®	1260	349

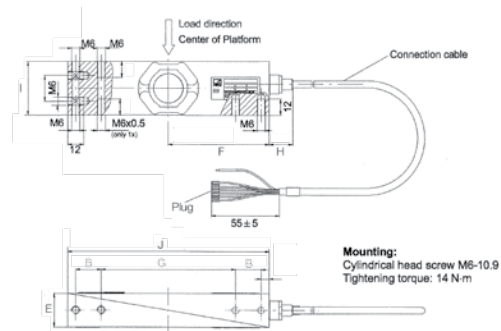
\*Color code is different

# PW15AH

Single Point, Stainless Steel, IP69K, Hermetically Sealed, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 ( $\pm 10$ ) ohms

**Input Resistance:**  
380 ( $\pm 15$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.02% full scale

**Insulation Resistance:**  
1,000 megohms

**Seal Type:**  
Hermetically sealed, IP69K

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.212 PVC jacket

**Cable Color Code:**  
Blue .....+ Excitation  
Black.....- Excitation  
Green .....+ Sense  
Gray .....- Sense  
White .....+ Signal  
Red .....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



Available  
upon  
request

## Dimensions

RATED CAPACITY	B	E	F	G	H	I	J	K
<b>lb/in</b>								
22-220.5	0.75	0.98	2.95	3.94	0.69	1.57	5.91	0.75
<b>kg/mm</b>								
10-100	19.00	25.00	75.00	100.00	17.5	40.00	150.00	19.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg	101915	3 lb	\$625.00
20 kg	101916	3 lb	625.00
50 kg	101917	3 lb	625.00
100 kg	101918	3 lb	625.00

## Interchangeable Products

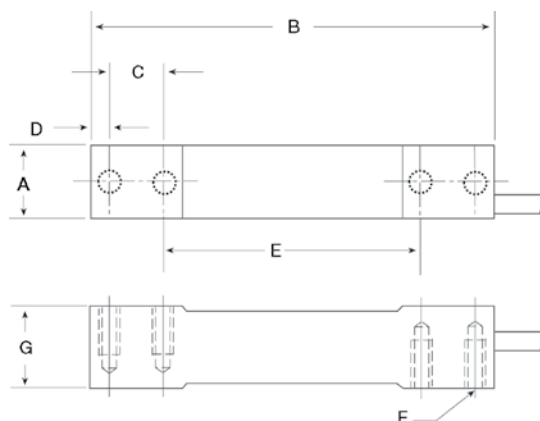
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLPWM15	171

# PWS

Single Point, Stainless Steel, NTEP Certified 1:3000 Class III Single Cell, OIML C3, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
350 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Insulation Resistance:**  
1,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.190 polyurethane jacket

**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow ..... Shield

**Deflection:**  
< 0.4 mm full scale

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G
<b>kg/mm</b>							
7-15	30.2	139.7	19.1	6.4	88.9	1/4-20UNC	19.1
30-60	30.2	139.7	19.1	6.4	88.9	1/4-20UNC	23.9
100-150	30.2	139.7	22.3	7.8	79.2	3/8-16UNC	30.7
<b>lb/in</b>							
15.4-33.1	1.19	5.50	0.75	0.25	3.50	1/4-20UNC	0.75
66.1-132.3	1.19	5.50	0.75	0.25	3.50	1/4-20UNC	0.94
220.5-330.7	1.19	5.50	0.88	0.31	3.12	3/8-16UNC	1.21

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
7 kg (15.4 lb)	36185	2 lb	\$325.00
10 kg (22.0 lb)	36186	2 lb	325.00
15 kg (33.1 lb)	36187	2 lb	325.00
30 kg (66.1 lb)	36188	2 lb	325.00
60 kg (132.3 lb)	36189	2 lb	325.00
100 kg (220.5 lb)	68551	2 lb	325.00
150 kg (330.7 lb)	69345	2 lb	325.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1380	181



## Notes

HBM

www.ricelake.com | Phone: 800-472-6703



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## Compression Canister

Page 262      1200, Alloy Steel/Aluminum



The 1200 Series compact design permits smaller, more compact testing machines, portability and allows for weighing systems of substantially smaller dimensions. Resistance to extraneous forces produces high fatigue life, permits less stringent mounting alignment, and reduces the possibility of reading errors. Capacities range from 1,000lb to 100,000lb (453.6lb to 45,359.2kg). Complete with 10ft (3.1 m) of load cell cable.

Page 263      3200, Stainless Steel



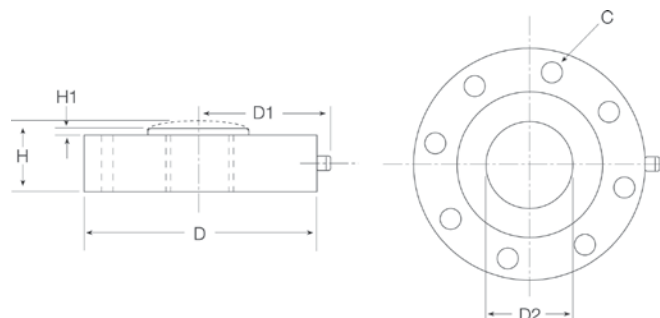
The 3200 Series stainless steel load cells are designed specifically for difficult applications in harsh environments. These units incorporate welded stainless steel diaphragms to resist corrosion and to seal against moisture intrusion. These load cells provide high accuracy, resistance to off-center loads with minimum error, excellent temperature specifications, and low height envelope for ease of installation. Capacities range from 5,000lb to 100,000lb (2,268.0kg to 45,359.2kg). Complete with 20ft (6.1 m) of load cell cable.

# 1200 Series

Compression Canister, Low Profile Alloy Steel/Aluminum



Picture is a representation of Model 1211



## Specifications

### Full Scale Output:

2.0 mV/V (1,000 lb-2,000 lb)  
4.0 mV/V (5,000 lb-100,000 lb)

### Bridge Resistance:

350 ohms, nominal

### Material/Finish:

1,000 lb-2,000 lb (aluminum)  
5,000 lb-100,000 lb (alloy steel)

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (20 V maximum)

### Nonlinearity:

0.05% full scale

### Hysteresis:

0.02%-0.04% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

10 ft (3.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

Two-year limited warranty

## Dimensions

RATED CAPACITY	C	D	D1	D2	H	H1
<b>lb/inches</b>						
1,000-10,000	0.28 dia 8 holes	4.12	2.63	1.34	1.37	0.12
25,000-50,000	0.34 dia 4 holes	4.75	2.95	1.57	1.75	0.12
100,000	0.47 dia 12 holes	7.50	4.32	3.12	2.25	0.25
<b>kg/mm</b>						
453.6-45,359.9	7.1 dia. 8 holes	104.6	66.8	34.00	34.8	3.00
11,339.8-22,679.6	8.6 dia 4 holes	120.7	74.9	39.9	44.5	3.00
45,359.2	11.9 dia 12 holes	190.5	109.7	79.2	57.2	6.4

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>Aluminum</b>				
1,000 lb	(453.6 kg)	36132	4 lb	\$1,195.00
2,000 lb	(907.2 kg)	36133	4 lb	1,195.00
<b>Alloy Steel</b>				
5,000 lb	(2,268.0 kg)	36134	5 lb	1,295.00
10,000 lb	(4,535.9 kg)	36135	5 lb	1,295.00
25,000 lb	(11,339.8 kg)	36136	8 lb	1,445.00
50,000 lb	(22,679.6 kg)	36137	8 lb	1,445.00
100,000 lb	(45,359 kg)	36138	22 lb	2,295.00

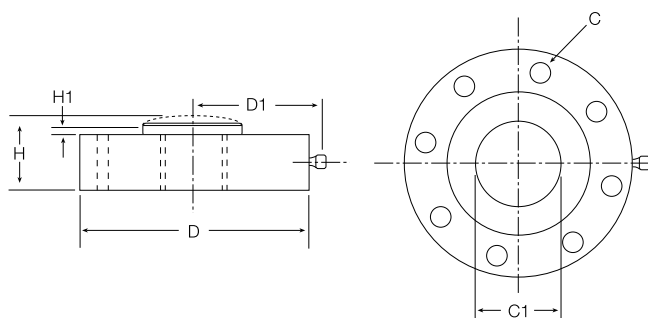
Consult factory for load cell bases

## 3200 Series

Compression Canister, Low Profile Stainless Steel, Hermetically Sealed, IP66/68



Picture is a representation of Model 3211



## Specifications

<b>Full Scale Output:</b> 4.0 mV/V	<b>Operating range:</b> -40° F to 150° F (-40° C to 65° C)	<b>Hysteresis:</b> 0.04% full scale	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Bridge Resistance:</b> 350 ohms, nominal	<b>Safe Overload:</b> 150% full scale	<b>Insulation Resistance:</b> 5,000 megohms	<b>Warranty:</b> Two-year limited warranty
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 5-10 VDC (20 V maximum)	<b>Seal Type:</b> Hermetically sealed	
<b>Temperature:</b> Compensated range 15°F to 115°F (-9°C to 46°C)	<b>Nonlinearity:</b> 0.05% full scale	<b>Cable Length:</b> 20 ft (6.1m)	

## Dimensions

RATED CAPACITY	C	C1	D	D1	H	H1
<b>lb/inches</b>						
5,000-10,000	0.28 dia 8 holes	1.34	4.12	2.56	1.37	0.12
25,000-50,000	0.34 dia 4 holes	1.57	4.75	2.87	1.75	0.12
100,000	0.47 dia 12 holes	3.12	7.50	4.25	2.25	0.25
<b>kg/mm</b>						
2,268.0-4,535.9	7.1 dia 8 holes	34.0	104.6	65.0	34.8	3.0
11,339.8-22,679.6	8.6 dia 4 holes	39.9	120.7	72.9	44.5	3.0
45,359.2	11.9 dia 12 holes	79.2	190.5	108.0	57.2	6.4

## Order Information










LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb	(2,268.0 kg)	36140	5 lb	\$1,495.00
10,000 lb	(4,535.9 kg)	36141	5 lb	1,495.00
25,000 lb	(11,339.8 kg)	36142	8 lb	1,695.00
50,000 lb	(22,679.6 kg)	36143	8 lb	1,695.00
100,000 lb	(45,359.2 kg)	36144	10 lb	2,895.00

Consult factory for load cell bases













[illegible]

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## S-Beams

Page 269	<b>363, Alloy Steel</b>	 <p>S-beam type load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100lb to 10,000lb (45.4 kg to 4535.9 kg); non-NTEP Certified capacity of 50lb (22.7 kg). Complete with 20ft (6.1 m) of load cell cable.</p>	 
Page 270	<b>9363, Stainless Steel</b>	 <p>A stainless steel s-beam type load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100lb to 10,000lb (45.4 kg to 4,535.9 kg); non-NTEP Certified capacity of 50, 15,000 and 20,000lb (22.7, 6,804.0 and 9,072.0 kg). Complete with 20ft (6.1 m) of load cell cable. Trimmed outputs makes installation easy.</p>	 
Page 272	<b>BSP, Stainless Steel</b>	 <p>Welded seal stainless steel s-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100lb to 5,000lb (45.4 kg to 2,268.0 kg); non-NTEP Certified capacity of 10,000lb (4,535.9). Complete with 30ft (9.2 m) of load cell cable.</p>	 

## Single-Ended Beams

Page 273	<b>5123, Alloy Steel</b>	 <p>Low-cost, high performance, single-ended beam designed for low-profile scales and process weighing in both Legal for Trade and non-Legal for Trade applications. Capacities range from 1,000lb to 10,000lb (453.6 kg to 4,535.9 kg). Complete with 20ft (6.1 m) of load cell cable.</p>	 
Page 274	<b>9123, Stainless Steel</b>	 <p>Low-cost, high performance, single-ended, stainless steel beam designed for low-profile scales and process weighing in both Legal for Trade and non-Legal for Trade applications. Capacities range from 250lb to 10,000lb (453.6 kg to 4,535.9 kg). Complete with 20ft (6.1 m) of load cell cable.</p>	 
Page 275	<b>9523, Stainless Steel</b>	 <p>Single-ended beam offers both welded sealing and stainless steel construction for use in most hostile environments. Applications include platform scales and process weighing. Capacities range from 1,000 lb to 10,000lb (453.6 kg to 4,535.9 kg).</p>	
Page 276	<b>ACB, Stainless Steel</b>	 <p>The stainless steel ACB is a single-ended shear beam, welded load cell. Capacities range from 500kg to 5t and utilizing a 1,000 ohm bridge.</p>	
Page 277	<b>9102, Stainless Steel</b>	 <p>The Model 9102 is a form, fit and function for the RTI 5102. It is constructed of stainless steel and ideally suited for the toughest industrial applications where high accuracy and low profile are required. Capacities range from 200lb to 2,500lb (90.7 kg to 1,134.0 kg). Complete with 10ft (3.1 m) of load cell cable.</p>	 

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## Single-Ended Beams

Page 278

### 5102, Alloy Steel



The model 5102 is a single-ended beam type load cell. 500 lb (226.8 kg) capacities and above are constructed as shear beams. Its high accuracy, low profile and redundant sealing make it well suited for use in small and medium platform scales and process applications in harsh environments. Capacities range from 50 lb to 10,000 lb (22.7 kg to 4,535.9 kg). Complete with 10 ft (3.1 m) of load cell cable.



Page 279

### 5723 Link Beam, Alloy Steel



High-performance single-ended link beam uses a well-proven link-loading technique. This low-cost and flexible loading method allows load movement without reading error in tanks, hoppers and platform scales. Capacities range from 1,000 lb to 10,000 lb (453.6 kg to 4,535.9 kg).



Page 280

### SHB, Stainless Steel



The SHB model is stainless steel and features a welded seal for tough industrial environments where high accuracy and low profile are required. Capacities range from 20 kg to 200 kg (44.1 lb to 440.9 lb). Complete with 10 ft (3.1 m) of load cell cable.



Page 281

### SSB, Stainless Steel



Rugged and precise, this single-ended beam offers welded seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. NTEP Certified capacities range from 1,000 lb to 10,000 lb (453.6 kg to 4,535.9 kg).



## Double-Ended Beams

Page 282

### 5103, Alloy Steel



Designed for truck, track, and process weighing. High accuracy, low profile, tolerance to non-axial loading and redundant seal. NTEP Certified capacities range from 150,000 to 250,000 lb (2,268.0 kg to 113,398.1 kg). Complete with 30 ft (9.2 m) of load cell cable.



Page 283

### 9103, Stainless Steel



Stainless steel double-ended beam designed for truck, track, and process weighing. High accuracy, low profile, and tolerance to non-axial loading and redundant seal. Capacities range from 5,000 lb to 150,000 lb (2,268.0 kg to 68,038.9 kg). NTEP Certified capacities range from 10,000 lb to 100,000 lb. Non-NTEP Certified in 5,000 and 150,000 lb capacities. Complete with 30 ft (9.2 m) of load cell cable.



Page 284

### 5223, Alloy Steel



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities range from 50,000 lb to 100,000 lb (22,679.6 kg to 45,359.2 kg). Complete with 40 ft of load cell cable. Optional overbraid available.



Page 285

### 9223, Stainless Steel



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and track scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities range from 50,000 lb to 125,000 lb (22,679.6 kg to 56,699.1 kg). Supplied with 40 ft of load cell cable. Stainless alternative to the popular RTI model 5223.





# Table of Contents

## Double-Ended Beams

Page 286

### 9803, Stainless Steel



This center loaded double-ended beam is the newest addition to the full-line of VPG Revere products. Featuring full stainless steel construction this model is ideal for both truck scale and process weighing applications. Available in 50,000lb and 65,000lb capacities. Each unit is provided with standard 18.6ft (6m) of load cell cable.



Page 287

### 9323, Stainless Steel



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Available in 50,000, 60,000lb and 75,000lb capacities (22,679.6, 27,483.5 and 34,019.4 kg) with 30ft of load cell cable.



Page 288

### 9423, Stainless Steel



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Available in 50,000lb and 60,000lb (22,679.6 to 27,483.5 kg). Complete with 30ft of load cell cable.



## Compression Canisters

Page 289

### ASC, Stainless Steel



The ASC is a single column, stainless steel welded compression load cell. This with the welded IP68 rating make this cell a good choice in applications requiring superb protection. The built in surge protection also protects the cell from electrical overloads. It is NTEP Certified and comes with 15m of load cell cable.



Page 290

### RLC, Stainless Steel



The RLC is a low profile, high performance ring torsion type load cell in stainless steel. This product is suitable for small and medium platform scales as well as process weighing. Capacities range from 500kg to 5,000kg (1,102.3lb to 11,023.1 lb).



Page 291

### CP, Stainless Steel



Welded-seal canister cell designed for compression service only. High-capacity transducers built for reliability, durability and extreme precision. Compression Precision (CP) cells are recommended for most industrial applications. Single or dual bridges available for 10,000lb to 500,000lb (4,535.9kg to 226,796.2 kg) capacities. Completed with 30ft (9.2m) of load cell cable.



Page 292

### CSP, Stainless Steel



Welded-seal stainless steel canister cell designed for compression service only. High-capacity transducers built for reliability, durability and extreme precision. Compression Super Precision (CSP) cells are ideal for applications where optimum precision is needed. Single or dual bridges available for 10,000lb (4535.9kg) only. NTEP Certified capacities range from 25,000lb to 200,000lb (11,339.8kg to 90,718.5kg); non-NTEP Certified capacities range from 10,000lb to 500,000lb (4,535.9kg to 226,796.2kg). Complete with 30ft (9.2m) of load cell cable.



Page 293

### 792, Stainless Steel



Single-column design with low deflection and welded-seal for trouble-free operation. High-alloy steel, epoxy coated for trouble-free use in harsh environments. Capacities range from 500,000lb to 200,000lb (226,796.6kg to 90,718.5kg). Compact and rugged.



# Table of Contents

## Compression Canisters

### Page 294 92, Stainless Steel



High-profile, high accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments. Each cell comes with 40 ft (12.2 m) of load cell cable. Available in 50,000 lb (22,679.6 kg) and 100,000 lb (45,359.2 kg) capacities.



## Single Points

### Page 295 462, Alloy Steel



Very high-performance single-point cell designed for high-precision counter scales. Negligible error from off-center loading. Resistant to severe impact loading. Good water resistance. Capacities range from 2 lb to 250 lb (0.9 kg to 113.4 kg). Complete with 10 ft (3.1 m) of load cell cable.



### Page 296 HPS, Stainless Steel



Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacities range from 13.2 lb to 100 lb (6 kg to 45.4 kg). Includes 10 ft (3.1 m) of load cell cable.



### Page 297 HPSM, Metric Envelope Stainless Steel

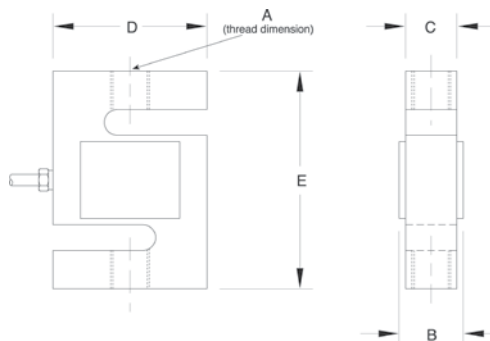


Metric envelope. Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacity of 6 kg (13.2 lb). Includes 10 ft (3.1 m) of load cell cable.





Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

390 (± 15) ohms

### Input Resistance:

430 (± 60) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Manufacturer Model Number:

363-B10-XX-20P1 (NTEP Certified)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
50-300	1/4-28 UNF-2B	0.65	0.50	2.00	2.50
500-1,500	1/2-20 UNF-2B	0.90	0.75	2.00	2.50
2,000	1/2-20 UNF-2B	1.15	1.00	2.00	2.50
3,000	1/2-20 UNF-2B	1.15	1.00	3.00	4.00
5,000-10,000	3/4-16 UNF-2B	1.15	1.00	3.00	4.00
<b>kg/mm</b>					
22.7-136.1	1/4-28 UNF-2B	16.5	12.7	50.8	63.5
226.8-680.4	1/2-20 UNF-2B	22.9	19.1	50.8	63.5
907.2	1/2-20 UNF-2B	29.2	25.4	50.8	63.5
1,360.8	1/2-20 UNF-2B	29.2	25.4	76.2	101.6
2,268.0-4,535.9	3/4-16 UNF-2B	29.2	25.4	76.2	101.6

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
100 lb	(45.4 kg)	21463	2 lb	\$295.00
200 lb	(90.7 kg)	21464	2 lb	295.00
300 lb	(136.1 kg)	21465	2 lb	295.00
500 lb	(226.8 kg)	21466	2 lb	295.00
750 lb	(340.2 kg)	21467	2 lb	295.00
1,000 lb	(453.6 kg)	21468	2 lb	295.00
1,500 lb	(680.4 kg)	21469	2 lb	295.00
2,000 lb	(907.2 kg)	21470	2 lb	295.00
3,000 lb	(1,360.8 kg)	21471	4 lb	295.00
5,000 lb	(2,268.0 kg)	21472	4 lb	465.00
10,000 lb	(4,535.9 kg)	21473	4 lb	465.00
<b>Non-NTEP Certified</b>				
50 lb	(22.7 kg)	17043	2 lb	295.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL20000	119

## Weigh Module Available

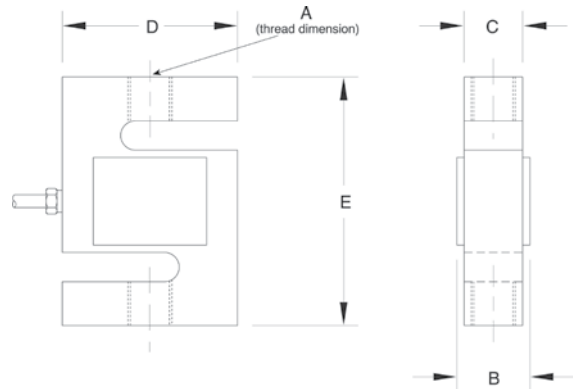
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# 9363

S-Beam, Stainless Steel, NTEP Certified 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
390 ( $\pm 15$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
9363-B10-XX-20T1 (NTEP Certified)  
9363-D3-XX-20T1 (Non-NTEP Certified)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.025% full scale

**Non-repeatability:**  
0.01% full Scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
20 ft/6.1 m

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/inches</b>					
50*-300	1/4-28 UNF-2B	0.65	0.46	2.00	2.40
500-1,500	1/2-20 UNF-2B	0.90	0.71	2.00	2.40
2,000-2,500	1/2-20 UNF-2B	1.13	96	2.00	2.40
3,000	1/2-20 UNF-2B	1.13	0.96	3.00	3.90
5,000	3/4-16 UNF-2B	1.15	0.96	3.00	3.90
10,000	3/4-16 UNF-2B	1.40	1.21	2.94	3.90
15,000*	1-14 UNS-2B	1.63	1.46	3.44	5.50
20,000*	1 1/4-12 UNF-2B	1.88	1.68	4.44	7.00
<b>kg/mm</b>					
22.7-136.1	1/4-28 UNF-2B	16.5	11.7	50.8	61.0
226.8-680.4	1/2-20 UNF-2B	22.9	18.0	50.8	61.0
907.2	1/2-20 UNF-2B	29.2	24.4	50.8	61.0
1,360.8	1/2-20 UNF-2B	29.2	24.4	76.2	99.1
2,268.0-4,535.9	3/4-16 UNF-2B	35.6	30.7	76.2	99.1
6,803.9	1-14 UNS-2B	41.4	37.1	87.4	139.7
9,071.9	1 1/4-12 UNF-2B	47.8	42.9	112.8	177.8

\* 50, 15,000 and 20,000 lb capacities are non-NTEP Certified

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
100 lb	(45.4 kg)	31317	2 lb	\$295.00
200 lb	(90.7 kg)	31316	2 lb	295.00
300 lb	(136.1 kg)	31315	2 lb	295.00
500 lb	(226.8 kg)	31314	2 lb	295.00
750 lb	(340.2 kg)	31313	2 lb	295.00
1,000 lb	(453.6 kg)	31312	2 lb	295.00
1,500 lb	(680.4 kg)	31311	2 lb	295.00
2,000 lb	(907.2 kg)	31310	2 lb	295.00
2,500 lb	(1,134.0 kg)	98875	3 lb	295.00
3,000 lb	(1,360.8 kg)	31309	4 lb	395.00
5,000 lb	(2,268.0 kg)	31318	4 lb	475.00
10,000 lb	(4,535.9 kg)	31308	4 lb	550.00
<b>Non-NTEP Certified</b>				
50 lb	(22.7 kg)	17076	2 lb	295.00
15,000 lb	(6,804.0 kg)	165260	7 lb	675.00
20,000 lb	(9,072.0 kg)	165261	13 lb	895.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL20000 SS	121
Rice Lake Weighing Systems	RL20000 ST	123

## Weigh Module Available

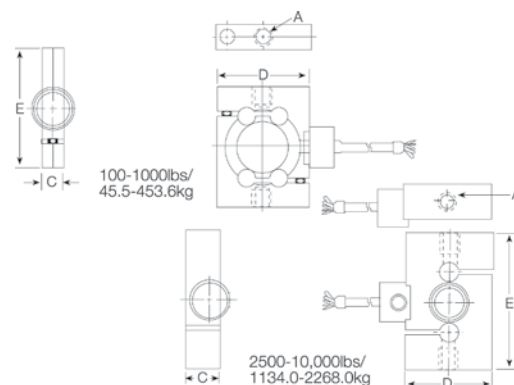
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

## BSP

S-Beam, Stainless Steel, Welded-Seal, IP67, NTEP Certified 1:10,000 Class IIIL Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

390 ( $\pm 15$ ) ohms

### Input Resistance:

390 ( $\pm 15$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range:

14°F to 104°F (-10°C to 40°C)

Operating range

-40°F to 150°F (-40°C to 65°C)

### Manufacturer Model Number:

BSP-B10-XX-30P5 (NTEP Certified)

BSP-D3-XX-30P5 (Non-NTEP Certified)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Non Repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded seal, IP67

### Cable Length:

30 ft (9.2 m)

### Cable Color Code:

Green .....+ Excitation

Black.....- Excitation

White .....+ Signal

Red .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	C	D	E
<b>lb/in</b>				
100-250	3/8-24 UNF-3B	0.94	2.48	3.32
500	1/2-20 UNF-3B	0.71	2.44	3.50
1,000	1/2-20 UNF-3B	0.71	2.44	3.50
2,500	1/2-20 UNF-3B	0.95	2.44	3.75
5,000-10,000	1-14 UNS-3B	1.44	2.44	4.75
<b>kg/mm</b>				
45.4-113.4	3/8-24 UNF-3B	23.9	63.0	84.3
226.8	1/2-20 UNF-3B	18.0	62.0	88.9
453.6	1/2-20 UNF-3B	18.0	74.7	88.9
1,134.0	1/2-20 UNF-3B	24.1	62.0	95.3
2,268.0-4,535.9	1-14 UNS-3B	36.6	62.0	120.7

## Order Information

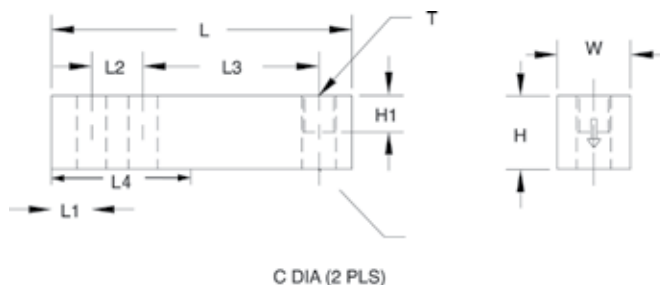
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
100 lb	(45.4 kg)	21447	3 lb	\$795.00
250 lb	(113.4 kg)	21448	3 lb	795.00
500 lb	(226.8 kg)	21449	3 lb	795.00
1,000 lb	(453.6 kg)	21450	3 lb	795.00
2,500 lb	(1,134.0 kg)	21451	4 lb	825.00
5,000 lb	(2,268.0 kg)	21452	6 lb	850.00
<b>Non-NTEP Certified</b>				
10,000 lb	(4,535.9 kg)	17032	6 lb	850.00

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0mV/V

**Output Resistance:**

352 (± 3) ohms

**Input Resistance:**

350 (± 7) ohms

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

 Compensated range  
 14°F to 104°F (-10°C to 40°C)  
 Operating range  
 -40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**

5123-A5-XX-20P1

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Combined Error:**

0.025% full scale

**Non-repeatability:**

0.01% full scale

**Insulation Resistance:**

1,000 megohms

**Deflection at Capacity:**

 1,000 lb=0.016 in (0.4 mm)  
 2,500 lb=0.03 in (0.8 mm)  
 4,000 lb=0.04 in (1.0 mm)  
 5,000 lb=0.035 in (0.9 mm)  
 10,000 lb=0.042 in (1.1 mm)

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Color Code:**

 Red .....+ Excitation  
 Black.....- Excitation  
 Green .....+ Signal  
 White .....- Signal  
 Orange..... Shield

**Warranty:**

One-year limited warranty

**Approvals:**


## Dimensions

RATED CAPACITY	C	C1	H	H1	L	L1	L2	L3	L4	T	W
<b>lb/in</b>											
1,000-4,000	0.53	0.53	1.25	0.62	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.25
5,000-10,000	0.78	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.12	3/4-16 UNF-2B	1.50
<b>kg/mm</b>											
453.6-1,814.4	13.5	13.5	31.8	15.8	130.0	15.8	25.4	76.2	57.2	1/2-20 UNF-2B	31.8
2,268.0-4,535.9	19.8	19.8	38.1	19.1	171.5	19.1	38.1	95.3	79.2	3/4-16 UNF-2B	38.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	21516	3 lb	\$225.00
2,500 lb (1,134.0 kg)	21517	3 lb	225.00
4,000 lb (1,814.4 kg)	21518	3 lb	225.00
5,000 lb (2,268.0 kg)	21519	8 lb	375.00
10,000 lb (4,535.9 kg)	21520	8 lb	375.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL30000	127
VPG Tedeo-Huntleigh®	3411	334
Artech®	30310	—

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

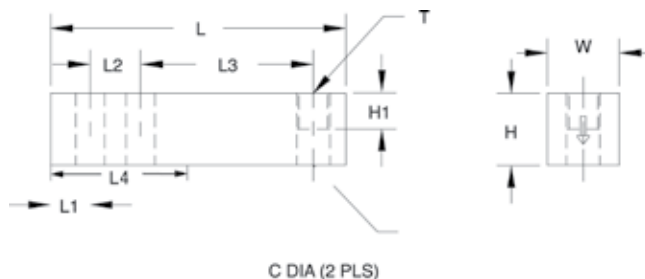


9123

Single-Ended Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

350 ( $\pm 3.5$ ) ohms

### Input Resistance:

350 ( $\pm 3.5$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
0°F to 150°F (-18°C to 65°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Manufacturer Model Number:

9123-A5-XX-20P1

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Orange..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	H	H1	L	L1	L2	L3	L4	T	W
<b>lb/in</b>										
250-5,000 SE*	0.53	1.23	0.67	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.23
5,000-15,000	0.78	1.45	0.70	6.75	0.75	1.50	3.75	3.12	3/4-16 UNF-2B	1.50
20,000	1.06	1.95	0.98	8.75	1.00	2.00	4.75	4.00	1-12 UNF-2B	1.95
<b>kg/mm</b>										
453.6-1,814.4	13.5	31.2	15.8	130.1	15.8	25.4	76.2	57.2	1/2-20 UNF-2B	31.2
2,268.0-6,804.0	19.8	38.1	19.1	171.5	19.1	38.1	95.3	79.2	3/4-16 UNF-2B	38.1
9,072.0	26.9	49.5	24.8	222.2	25.4	50.8	120.6	101.6	1-12 UNF-2B	49.5

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified</b>			
250 lb** (113.4 kg)	69380	3 lb	\$295.00
500 lb** (226.8 kg)	69381	3 lb	295.00
1,000 lb** (453.6 kg)	69382	3 lb	295.00
2,000 lb (907.2 kg)	99314	3 lb	295.00
2,500 lb (1,134 kg)	69383	3 lb	295.00
4,000 lb (1,814.4 kg)	69384	3 lb	295.00
5,000 lb SE* (2,268.0 kg)	69385	3 lb	295.00
5,000 lb (2,268.0 kg)	69386	8 lb	375.00
10,000 lb (4,536.0 kg)	69387	8 lb	375.00
15,000 lb (6,804.0 kg)	69388	8 lb	645.00
20,000 lb (9,072.0 kg)	69389	9 lb	645.00
<b>Conduit Adapters</b>			
1/4-18 NPT***	31534	1 lb	30.00

\* SE refers to small envelope

\*\* Load cell has integral foot

\*\*\* Needs to be factory installed

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL39123****	130
HBM®	B35	245

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

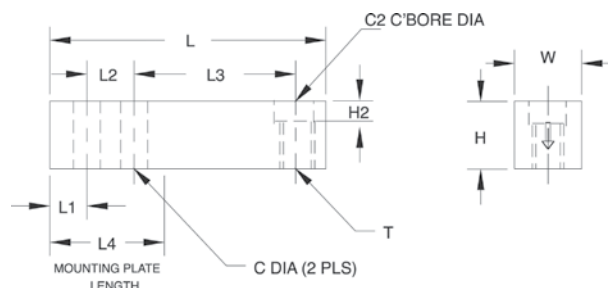
\*\*\*\* Non-NTEP Certified

# 9523

Single-Ended Beam, Stainless Steel, Welded-Seal, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
9523-D3-XX-20P1

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Non-repeatability:**  
0.01% full scale

**Combined Error:**  
0.03% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
1,000 lb=0.016 in (0.4 mm)  
2,500 lb=0.03 in (0.8 mm)  
4,000 lb=0.041 in (1.0 mm)  
5,000 lb=0.035 in (0.9 mm)  
10,000 lb=0.042 in (1.1 mm)

**Seal Type:**  
Welded seal, IP67

**Cable Length:**  
20 ft (6.1 m)

**Cable Color Code:**  
Red .....+ Excitation  
Black.....- Excitation  
Green.....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	C	C2	H	H2	L	L1	L2	L3	L4	T	W
<b>lb/inches</b>											
1,000-4,000	0.53	0.81	1.25	0.56	6.12	1.62	1.00	3.00	3.38	1/2-20 UNF	1.25
5,000-10,000	0.78	1.19	1.50	0.59	7.71	1.71	1.50	3.75	4.08	3/4-16 UNF	1.50
<b>kg/mm</b>											
453.6-1,814.4	13.5	20.6	31.8	14.2	155.5	41.2	25.4	76.2	85.9	1/2-20 UNF	31.8
2,268.0-4,535.9	19.8	30.2	38.1	15.0	195.8	43.4	38.1	95.3	103.6	3/4-16 UNF	38.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	17221	3 lb	\$545.00
2,500 lb	(1,134.0 kg)	17222	3 lb	545.00
4,000 lb	(1,814.4 kg)	17223	3 lb	545.00
5,000 lb	(2,268.0 kg)	17224	5 lb	600.00
10,000 lb	(4,535.9 kg)	17225	5 lb	625.00

VPG REVERSE

www.ricelake.com | Phone: 800-472-6703



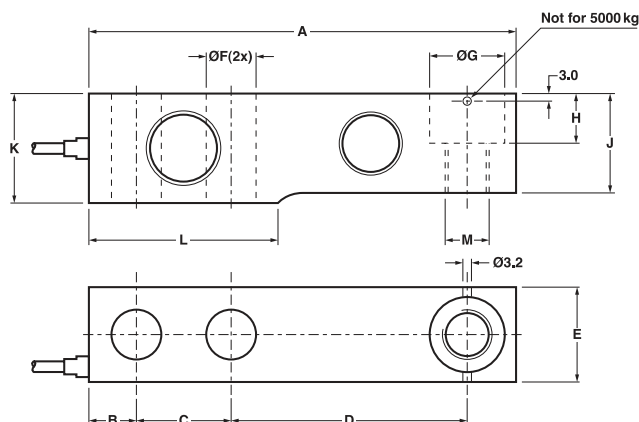
# NEW ACB

Single-Ended Beam, Stainless Steel, OIML, IP68

VP G REVERE



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2mV/V

### Output Resistance:

1,000 ( $\pm 10$ ) ohms

### Input Resistance:

1,000 ( $\pm 50$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5 to 12 VDC

### Combined Error:

0.02

### Insulation Resistance:

5,000 megohms

### Seal Type:

Hermetically sealed, IP68

### Cable Length:

500 kg to 1,000 kg: 3 m  
2,000 kg to 5 kg: 6 m

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Yellow .....+ Sense  
Blue .....- Sense

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J
kg/mm									
500 kg	130.0	15.5	25.4	76.2	31.8	13.0	20.5	14.2	26
1,000 kg	130.0	15.5	25.4	76.2	31.8	13.0	20.5	14.2	27.95
2,000 kg	130.0	15.5	25.4	76.2	31.8	13.0	20.5	14.2	31.95
5,000 kg	172.0	19.1	38.1	95.3	38.0	20.5	30.2	20.0	40

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
500 kg	166750	2 lb	\$325.00
1,000 kg	166751	2 lb	325.00
2,000 kg	166752	3 lb	325.00
5,000 kg	166753	4 lb	450.00

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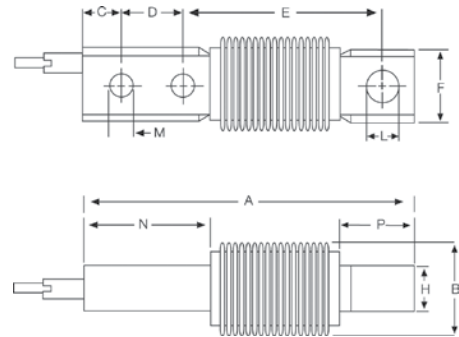


# 9102

Single-Ended Beam, Stainless Steel, Welded-seal, NTEP Certified 1:5000 Class III, IP66/68



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
9102-A5-XX-10P1

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
200 lb=0.020 in (0.51 mm)  
500 lb-2,500 lb=0.026 in (0.66 mm)

**Seal Type:**  
Welded seal, IP66/68

**Cable Length:**  
10 ft (3.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	H	L	M	N	P
<b>lb/inches</b>											
200	5.00	1.53	0.38	0.62	3.50	1.22	0.75	0.39	0.27	1.50	1.25
500-1,000	5.38	1.53	0.62	1.00	3.25	1.22	0.75	0.40	0.40	2.07	1.20
2,500	5.38	1.53	0.62	1.00	3.25	1.22	0.75	0.53	0.40	2.07	1.20
<b>kg/mm</b>											
90.7	127.0	39.0	9.7	15.9	88.9	31.0	19.0	9.9	6.8	38.1	31.8
226.8-453.6	136.7	39.0	15.8	25.4	82.6	31.0	19.0	10.3	10.3	52.6	30.5
1,134.0	136.7	39.0	15.8	25.4	82.6	31.0	19.0	13.5	10.3	52.6	30.5

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
200 lb (90.7 kg)	40917	2 lb	\$795.00
500 lb (226.8 kg)	40918	2 lb	795.00
1,000 lb (453.6 kg)	40919	2 lb	795.00
2,500 lb (1,134.0 kg)	40920	2 lb	795.00

## Interchangeable Products

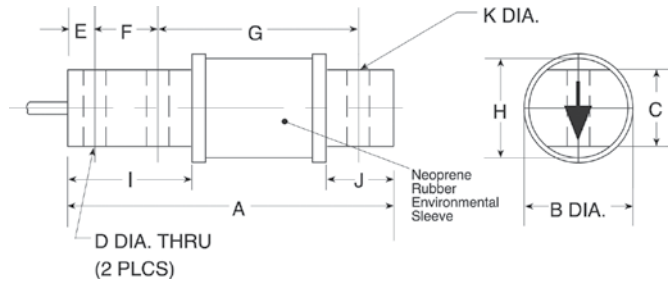
MANUFACTURER	MODEL	PAGE #
VPG Revere®	5102	278

# 5102

Single-Ended Beam, Alloy Steel, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 (± 3.5) ohms

### Input Resistance:

350 (± 3.5) ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.03% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

50-200 lb=0.020 in (0.51 mm)  
500-2,500 lb=0.026 in (0.66 mm)  
5000-10,000 lb=0.38 in (0.97 mm)

### Seal Type:

Environmentally sealed with neoprene sleeve, IP67

### Cable Length:

10 ft (3.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K
<b>lb/inches</b>											
50-200	5.00	1.25	0.75	0.27	0.38	0.62	3.50	1.23	1.50	1.25	0.39
500-1,000	5.38	1.25	0.75	0.41	0.62	1.00	3.25	1.23	2.07	1.20	0.41
2,500	5.38	1.25	0.75	0.41	0.62	1.00	3.25	1.23	2.07	1.20	0.53
5,000-10,000	7.28	1.75	1.38	0.66	0.75	1.75	4.03	1.70	3.47	1.56	0.78
<b>kg/mm</b>											
22.7-90.7	127.0	31.7	19.1	6.9	9.7	15.7	88.9	31.2	38.1	31.8	9.9
226.8-453.6	136.7	31.7	19.1	10.4	15.8	25.4	82.6	31.2	52.6	30.5	10.3
1,134.0	136.7	31.7	19.1	10.4	15.8	25.4	82.6	31.2	52.6	30.5	13.5
2,268.0-4,535.9	184.9	44.4	34.9	16.8	19.1	44.5	102.4	43.2	88.1	39.6	19.8

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 lb (22.7 kg)	21709	2 lb	\$485.00
100 lb (45.4 kg)	21710	2 lb	485.00
200 lb (90.7 kg)	21711	2 lb	485.00
500 lb (226.8 kg)	21712	2 lb	485.00
1,000 lb (453.6 kg)	21713	2 lb	505.00
2,500 lb (1,134.0 kg)	21714	2 lb	505.00
5,000 lb (2,268.0 kg)	21715	10 lb	585.00
10,000 lb (4,535.9 kg)	21716	10 lb	585.00

## Interchangeable Products

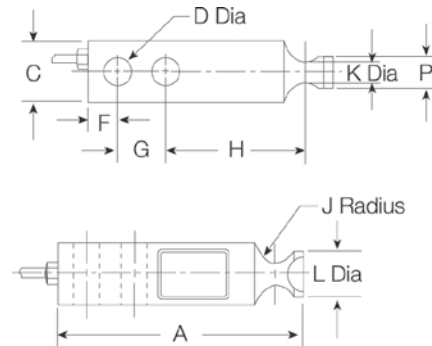
MANUFACTURER	MODEL	PAGE #
VPG Revere®	9102	277

# 5723

Link Beam, Alloy Steel, NTEP Certified 1:5000 Class III, Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
High-alloy steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
5723-A5-XX-20P1

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 V AC/DC (15 V maximum)

**Non-repeatability:**  
0.01% full scale

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
1,000 lb=0.016 in (0.4 mm)  
2,500 lb=0.03 in (0.8 mm)  
4,000 lb=0.04 in (1.0 mm)  
5,000 lb=0.035 in (0.9 mm)  
10,000 lb=0.042 in (1.1 mm)

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
20 ft (6.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent ..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	C	D	F	G	H	J	K	L	P
<b>lb/in</b>										
1,000-4,000	5.12	1.25	0.53	0.62	1.00	3.00	0.44	0.60	0.92	0.62
5,000-10,000	6.75	1.50	0.78	0.75	1.50	3.75	0.56	0.86	1.20	0.90
<b>kg/mm</b>										
453.6-1,814.4	130.1	31.8	13.5	15.8	25.4	76.2	11.2	15.2	23.4	15.8
2,268.0-4,535.9	171.5	38.1	19.8	19.1	38.1	95.3	14.2	21.8	30.5	22.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	31396	3 lb	\$315.00
1,500 lb (680.4 kg)	79713	3 lb	315.00
2,500 lb (1134.0 kg)	31397	3 lb	345.00
4,000 lb (1814.4 kg)	31398	3 lb	345.00
5,000 lb (2268.0 kg)	31399	4 lb	475.00
7,500 lb (3401.9 kg)	85306	4 lb	475.00
10,000 lb (4535.9 kg)	31400	4 lb	475.00

## Interchangeable Products

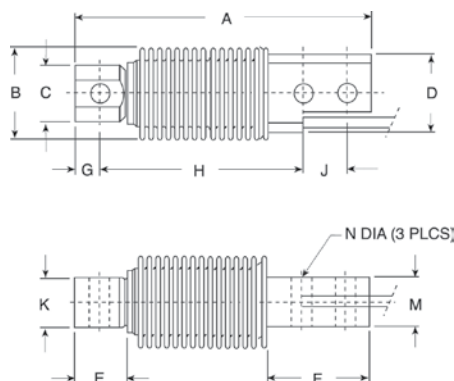
MANUFACTURER	MODEL
Artech®	30410

# SHB

Single-Ended Beam, Stainless Steel, Welded-seal, IP67, NTEP Certified 1:10,000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3.5$ ) ohms

### Input Resistance:

460 ( $\pm 3.5$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Manufacturer Model Number:

SHB-B10-XX-10P5

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale (SHB-A3)

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

20 kg-200 kg=0.4 mm (0.015 in)

### Seal Type:

Welded seal, IP67

### Cable Length:

10 ft (3.1 m)

### Cable Color Code:

Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
Clear ..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	M	N
<b>lb/in</b>												
44-441	4.72	1.50	0.90	1.28	0.83	1.65	0.39	3.23	0.71	0.79	0.79	0.32
<b>kg/mm</b>												
20-200	120.0	38.0	22.9	31.7	21.2	42.0	10.0	82.0	18.0	20.0	20.0	8.20

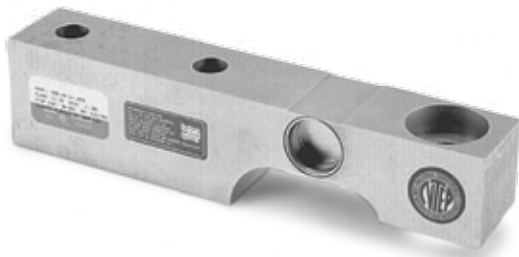
## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
20 kg (44.1 lb)	28801	2 lb	\$430.00
50 kg (110.2 lb)	28802	2 lb	430.00
100 kg (220.5 lb)	28803	2 lb	430.00
200 kg (440.9 lb)	28804	2 lb	430.00

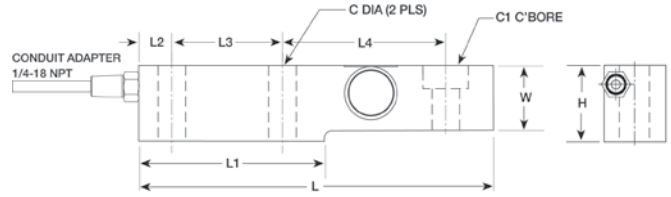
## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLHBB	146
VPG Celtron®	HBB	206
HBM®	Z6	251
VPG Tedeá-Huntleigh®	355	337





Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
SSB-B10-XX-15P5

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.02% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
1,000 lb-10,000 lb=0.018 in (0.45 mm)

**Seal Type:**  
Welded seal, IP67

**Cable Length:**  
15 ft (4.6 m)

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Clear ..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	W	C1	C1	H	L	L1	L2	L3	L4	T	CONDUIT ADAPTER
<b>lb/in</b>												
1,000-5,000	0.53	1.44	0.66	1.19	1.88	8.00	4.00	0.75	2.50	3.87	1.44	1/4-18NPT
10,000	0.88	1.88	1.00	1.63	2.75	9.25	4.62	0.81	2.62	4.87	1.87	1/4-18NPT
<b>kg/mm</b>												
453.6-2,268.0	14	36.5	16.7	30.2	47.8	203.2	101.6	19.05	63.5	98	36.5	1/4-18NPT
4,535.9	22	47.5	25.4	41.4	69.9	235.0	117.3	20.5	66.5	123.6	47.5	1/4-18NPT

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	21538	5 lb	\$685.00
2,000 lb (907.2 kg)	21539	5 lb	685.00
5,000 lb (2,268.0 kg)	21540	5 lb	685.00
10,000 lb (4,535.9 kg)	21541	10 lb	760.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLSSB	139
HBM®	SB3	—

## Weigh Module Available

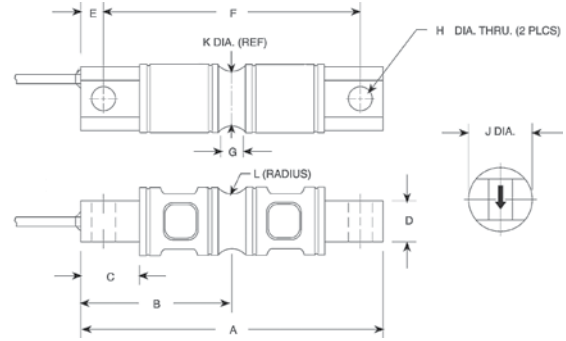
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1900 Series	64

# 5103

Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0mV/V	<b>Manufacturer Model Number:</b> 5103-B10-XX-30P1	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Length:</b> 18.6 ft (6 m) (5,000 lb-20,000 lb) 30 ft (9.2 m) (30,000 lb-250,000 lb)
<b>Output Resistance:</b> 700 (± 7) ohms	<b>Safe Overload:</b> 150% full scale	<b>Deflection at Capacity:</b> 5,000 lb=0.02 in (0.5 mm) 10,000 lb=0.025 in (0.6 mm) 20,000 lb=0.042 in (1.1 mm) 30,000 lb-50,000 lb=0.02 in (0.5 mm) 60,000 lb=0.025 in (0.6 mm) 100,000 lb-150,000 lb=0.02 in (0.5 mm) 200,000 lb-250,000 lb=0.035 in (0.9 mm)	<b>Cable Diameter:</b> 0.295 polyurethane jacket
<b>Input Resistance:</b> 700 (± 7) ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green.....+ Signal White.....- Signal Transparent..... Shield
<b>Material/Finish:</b> High-alloy steel, nickel plated	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)		<b>Warranty:</b> One-year limited warranty
<b>Temperature:</b> Compensated range 14°F to 104°F (-10°C to 40°C) Operating range -40°F to 150°F (-40°C to 65°C)	<b>Non-repeatability:</b> 0.01% full scale <b>Combined Error:</b> 0.025% full scale		

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/inches</b>											
5,000-10,000	8.12	4.06	1.44	1.12	0.62	6.87	0.62	0.65	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.87	0.84	0.65	1.95	1.48	0.50
30,000-75,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.00	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000-250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.55	5.375	5.17	2.00
<b>kg/mm</b>											
2,268.0-4,535.9	206.3	103.1	36.6	28.5	15.8	174.4	15.8	16.5	43.2	37.6	12.7
9,071.9	206.3	103.1	36.6	14.2	21.3	174.4	21.3	16.5	49.5	37.6	12.7
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	76.2	69.3	25.4
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	88.9	82.3	25.4
68,093.1	285.8	142.8	47.8	63.5	22.4	241.3	31.8	26.9	99.1	92.5	38.1
90,718.7-113,398.4	408.9	204.5	77.5	116.8	39.4	330.2	33.0	39.3	136.5	131.3	50.8

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb (2,268.0 kg)	34494	5 lb	\$655.00
10,000 lb (4,535.9 kg)	34495	5 lb	655.00
20,000 lb (9,071.9 kg)	34496	6 lb	655.00
30,000 lb (13,607.8 kg)	34497	19 lb	755.00
40,000 lb (18,143.7 kg)	34498	19 lb	755.00
50,000 lb (22,679.7 kg)	34499	19 lb	845.00
60,000 lb (27,215.6 kg)	34500	19 lb	845.00
75,000 lb (34,019.4 kg)	159506	19 lb	845.00
100,000 lb (45,359.4 kg)	34501	30 lb	1,475.00
150,000 lb (68,039.1 kg)	17292	35 lb	1,475.00
200,000 lb (90,718.7 kg)	17293	46 lb	2,775.00
250,000 lb (113,398.4 kg)	17294	92 lb	2,775.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL70000	149

## Weigh Module Available

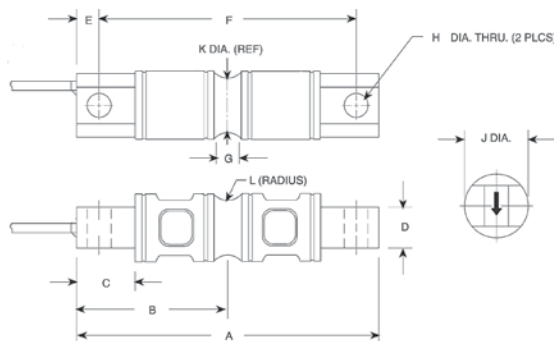
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	EZ Mount 1	84 and 86

# 9103

Double-Ended Beam, Stainless Steel, NTEP Certified 1:10,000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0mV/V

### Output Resistance:

700 ( $\pm 7$ ) ohms

### Input Resistance:

700 ( $\pm 7$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Manufacturer Model Number:

9103-B10-XX-30P1 (NTEP Certified)  
9103-D3-XX-30P1 (non-NTEP Certified)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Non-repeatability:

0.02% full scale

### Combined Error:

0.03% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

5,000 lb=0.02 in (0.5 mm)  
10,000 lb=0.025 in (0.6 mm)  
20,000 lb=0.042 in (1.1 mm)  
30,000 lb-50,000 lb=0.02 in (0.5 mm)  
60,000 lb=0.025 in (0.6 mm)  
100,000 lb-150,000 lb=0.02 in (0.5 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

18.6 ft (6 m) (5,000 lb-20,000 lb)  
30 ft (9.2 m) (30,000 lb-250,000 lb)

### Cable Diameter:

0.295 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent..... Shield

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
<b>lb/in</b>											
5,000-10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50
30,000-60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.00	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
<b>kg/mm</b>											
2,268.0-4,535.9	206.3	103.1	36.6	28.5	15.8	174.8	15.8	16.8	43.2	37.6	12.7
9,071.9	206.3	103.1	36.6	14.2	21.3	174.8	21.3	16.8	49.5	37.6	12.7
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	76.2	69.3	25.4
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	88.9	82.3	25.4
68,093.1	285.8	142.8	47.8	63.5	22.4	241.3	31.8	26.9	99.1	92.5	38.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified</b>				
10,000 lb	(4,535.9 kg)	17329	5 lb	\$750.00
20,000 lb	(9,071.9 kg)	17330	5 lb	750.00
30,000 lb	(13,607.8 kg)	17331	19 lb	825.00
40,000 lb	(18,143.7 kg)	17332	19 lb	825.00
50,000 lb	(22,679.6 kg)	17333	19 lb	925.00
60,000 lb	(27,215.5 kg)	17334	19 lb	925.00
100,000 lb	(45,359.2 kg)	17335	30 lb	1,825.00
<b>Non-NTEP Certified</b>				
5,000 lb	(2,268.0 kg)	17328	51 lb	750.00
150,000 lb	(68,038.9 kg)	17336	35 lb	1,875.00
<b>Conduit Adapter Kit (must be factory installed to maintain warranty)</b>				
3/8-24 to 1/4-18NPT		31534	1 lb	30.00
5/8-18UNF to 1/2-14 NPT		31535	1 lb	30.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL7000SS	150
Rice Lake Weighing Systems	RL71000HE	151

## Weigh Module Available

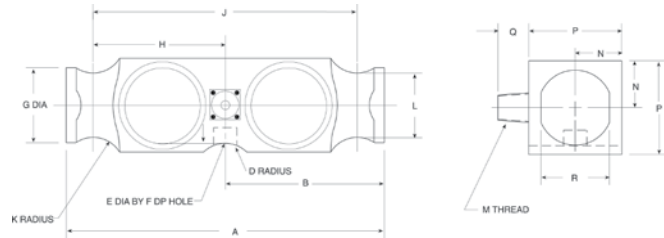
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	EZ Mount 1	84 and 86

# 5223

Double-Ended Beam, Alloy Steel, Welded-Seal\*, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Manufacturer Model Number:</b> 5223-B10-XX-40P1 5223-B10-XX-40RP (Overbraid cable)	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal Transparent..... Shield
<b>Output Resistance:</b> 700 (± 7) ohms	<b>Safe Overload:</b> 150% full scale	<b>Deflection at Capacity:</b> 50,000 lb=0.018 in (0.5 mm) 65,000 lb=0.022 in (0.6 mm) 100,000 lb=0.034 in (0.9 mm)	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 700 (± 7) ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Welded seal*, IP67	<b>Approvals:</b> F M NIP APPROVED
<b>Material/Finish:</b> High-alloy steel, nickel plated	<b>Rated Excitation:</b> 5-10 VDC (20 V maximum)	<b>Cable Length:</b> 40 ft (12.2 m)	
<b>Temperature:</b> Compensated range 14°F to 104°F (-10°C to 40°C) Operating range -40°F to 150°F (-40°C to 65°C)	<b>Non-repeatability:</b> 0.01% full scale	<b>Cable Diameter:</b> 0.295 polyurethane jacket	
	<b>Combined Error:</b> 0.025% full scale		

## Dimensions

RATED CAPACITY	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
<b>lb/inches</b>															
50,000-65,000	10.25	5.12	1.00	0.75	0.78	2.40	5.13	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
100,000	10.25	5.12	1.00	—	—	2.40	5.13	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
<b>kg/mm</b>															
22,679.6-29,483.5	260.4	130.1	25.4	19.1	19.8	61.0	130.3	215.9	25.4	52.3	1/2-14 NPT	38.1	76.2	26.2	55.9
45,359.2	260.4	130.1	25.4	—	—	61.0	130.3	215.9	25.4	52.3	1/2-14 NPT	38.1	76.2	26.2	55.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb (22,679.6 kg)	21605	22 lb	\$850.00
65,000 lb (29,483.5 kg)	21606	22 lb	850.00
100,000 lb (45,359.2 kg)	21607	22 lb	1,200.00
<b>Overbraid Cable</b>			
50,000 lb (22,679.6 kg)	101121	24 lb	895.00
65,000 lb (29,483.5 kg)	101122	24 lb	895.00
100,000 lb (45,359.2 kg)	101123	24 lb	1,295.00

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75223	160
Thurman®	TSC 800	—

## Weigh Modules Available

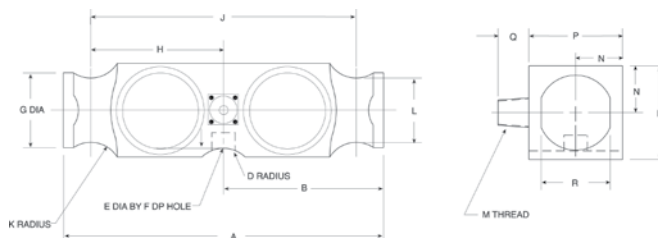
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Translink™	9100

9223

Double-Ended Beam, Stainless Steel, NTEP Certified 1:10,000 Class III L Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Output Resistance:**  
700 ( $\pm 7$ ) ohms

**Input Resistance:**  
700 ( $\pm 7$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
9223-B10-XX-40P1 (1:10,000)

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (20 V maximum)

**Non-repeatability:**  
0.01% full scale

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
50,000 lb=0.018 in (0.5 mm)  
65,000 lb=0.022 in (0.6 mm)  
100,000 lb=0.034 in (0.9 mm)

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
40 ft (12.2 m)

**Cable Diameter:**  
0.295 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent..... Shield

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
<b>lb/inches</b>															
50,000-125,000	10.25	5.12	1.00	0.75	0.78	2.40	5.13	8.50	1.00	2.06	1/2-14 NPT	1.50	2.94	1.03	2.20
<b>kg/mm</b>															
22,679.6-56,699	260.4	130.1	25.4	19.1	19.8	61.0	130.3	215.9	25.4	52.3	1/2-14 NPT	38.1	76.2	26.2	55.9

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg) 84150	22 lb	\$995.00
65,000 lb	(29,483.5 kg) 84151	22 lb	995.00
100,000 lb	(45,359.2 kg) 84152	22 lb	1,315.00
125,000 lb	(56,699.1 kg) 84153	22 lb	1,315.00

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

## Weigh Module Available

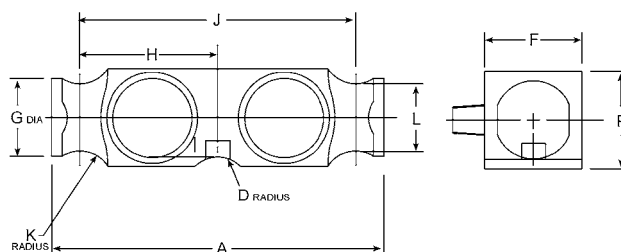
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Translink™	100

# 9803

Double-Ended Beam, Stainless Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Output Resistance:**  
700 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
700 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
9803-B10-XX-30P1

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Non-repeatability:**  
0.01% full scale

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
18.6 ft (6 m)

**Cable Diameter:**  
0.295 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	D	F	G	H	J	K	L	P
<b>lb/in</b>									
50,000-100,000	10.25	1.00	1.94	2.40	4.25	8.50	1.00	2.06	2.94
<b>kg/mm</b>									
22,679.6 kg-45,359.2 kg	260.3	25.4	49.3	60.9	107.9	215.9	25.4	52.3	74.7

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg) 69489	17 lb	\$945.00
65,000 lb	(29,483.5 kg) 69490	17 lb	945.00
100,000 lb	(45,359.0 kg) 124390	17 lb	1,625.00

## Interchangeable Products

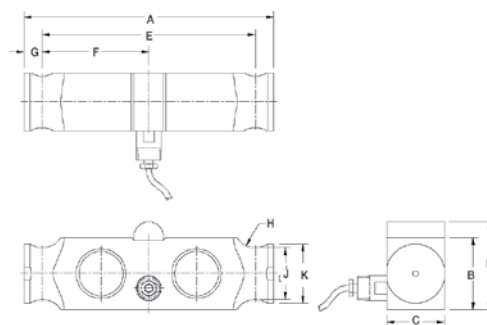
MANUFACTURER	MODEL
NV Technology®	BLC-2-XX-N
Thurman®	10088970A-50K

9323

Double-Ended Beam, Stainless Steel, NTEP Certified 1:10,000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**
700 ( $\pm 7$ ) ohms
**Input Resistance:**
700 ( $\pm 7$ ) ohms
**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**

9323-B10-XX-30P1

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Non-repeatability:**

0.01% full scale

**Combined Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

30 ft (9.2 m)

**Cable Diameter:**

0.295 polyurethane jacket

**Cable Color Code:**

Red .....+Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**


## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	N	P	Q
<b>lb/inches</b>													
50,000-75,000	8.50	2.45	1.95	3.23	7.25	3.63	0.63	0.75	1.75	2.00	0.73	3.00	0.50
<b>kg/mm</b>													
22,679.6-34,019.4	190.4	62.2	50.0	82.0	184.2	92.2	16.0	19.1	44.5	50.8	18.5	76.2	12.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg)	84156	13 lb	\$835.00
60,000 lb	(29,483.5 kg)	84157	13 lb	835.00

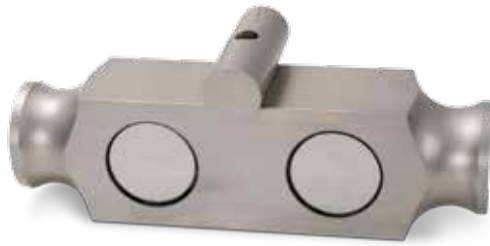
## Interchangeable Products

MANUFACTURER	MODEL
NV Technology®	BLC-1-N-WP

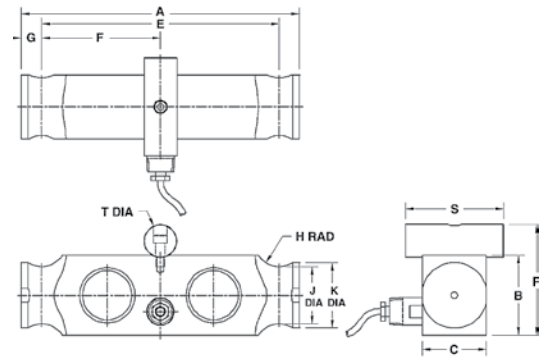


# 9423



Double-Ended Beam, Stainless Steel, NTEP Certified 1:10,000 Class IIIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Manufacturer Model Number:</b> 9423-B10-XX-30P1	<b>Combined Error:</b> 0.02% full scale	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 700 ( $\pm$ 7) ohms	<b>Safe Overload:</b> 150% full scale	<b>Insulation Resistance:</b> 5,000 megohms	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 700 ( $\pm$ 7) ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Approvals:</b>  
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 30 ft (9.2 m)	
<b>Temperature:</b> Compensated range 14°F to 104°F (-10°C to 40°C) Operating range -40°F to 150°F (-40°C to 65°C)	<b>Non-repeatability:</b> 0.01% full scale	<b>Cable Diameter:</b> 0.295 polyurethane jacket	

## Dimensions

RATED CAPACITY	A	B	C	E	F	G	H	J	K	R	S	T
<b>lb/inches</b>												
50,000-60,000	8.50	2.45	1.95	7.25	3.62	63	0.75	1.75	2.00	3.38	3.00	1.00
<b>kg/mm</b>												
22,679.6-29,483.5	215.9	49.53	184.15	91.95	19.05	44.45	62.23	25.4	76.20	25.4	-	-

## Order Information

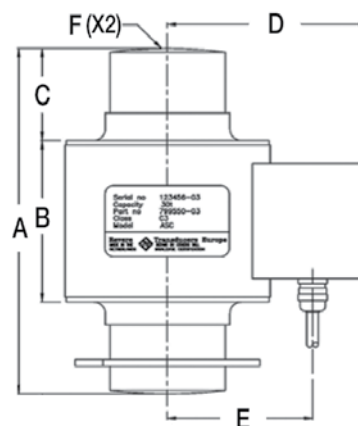
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg)	79711	14 lb	\$950.00
60,000 lb	(29,483.5 kg)	79712	14 lb	995.00

## Interchangeable Products

MANUFACTURER	MODEL
NV Technology®	BLC-1-N



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.00 ( $\pm 0.02$ ) mV/V

**Output Resistance:**  
700 ( $\pm 35$ ) ohms

**Input Resistance:**  
700 ( $\pm 35$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
ASC-B10-XX-60P5R

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5 VDC to 20 VDC

**Combined Error:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
OIML: 15 m  
NTEP Certified: 60 ft

**Cable Diameter:**  
0.295 in polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Transparent..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F
<b>t/inches</b>						
30-50	5.91	2.75	1.57	3.43	69.1	R7.87
<b>t/mm</b>						
30-50	150	70	40	87.1	69.1	R200

## Order Information

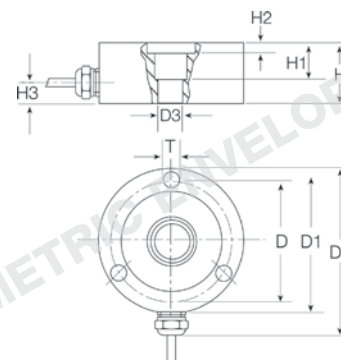
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified</b>			
30t	132564	5 lb	\$895.00
40t	128262	5 lb	895.00
50t	132565	5 lb	895.00
<b>OIML</b>			
30t	151312	5 lb	895.00
40t	151313	5 lb	895.00
50t	151314	5 lb	895.00
<b>Load Cup Set (Upper and Lower)</b>			
-	160452	6 lb	95.00

# RLC

Compression Canister, Stainless Steel, NTEP Certified 1:10,000 Class IIIL, Hermetically Sealed, IP66/68



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0mV/V	<b>Temperature:</b> Compensated range 14°F to 104°F (-10°C to 40°C) Operating range -40°F to 150°F (-40°C to 65°C)	<b>Combined Error:</b> 0.02% full scale	<b>Cable Color Code:</b> Pink .....+ Excitation Grey .....- Excitation Brown .....+ Signal White .....- Signal
<b>Output Resistance:</b> 1,025 (± 25) ohms	<b>Safe Overload:</b> 150% full scale	<b>Insulation Resistance:</b> 5,000 megohms	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 1,110 (± 50) ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Hermetically sealed, IP66/68	<b>Approvals:</b> FIM OIML NTEP
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 16.4 ft (5 m)-500 kg-5,000 kg	

## Dimensions

RATED CAPACITY	D	D1	D2	D3	H	H1	H2	H3	T
<b>lb/in</b>									
551.3-2,204.6	2.76	3.15	3.84	0.40	0.99	0.60	0.04	0.37	M6 (3 x 120°)
4,409.2-11,023.1	2.76	3.15	3.84	0.60	1.18	0.79	0.24	0.33	M6 (3 x 120°)
<b>kg/mm</b>									
250-1,000	70.0	80.0	97.5	10.0	25.0	15.0	1.0	9.5	M6 (3 x 120°)
2,000-5,000	70.0	80.0	97.5	15.0	30.0	20.0	6.0	8.5	M6 (3 x 120°)

## Order Information: NTEP Certified

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
0.5t	(1,102.3 lb)	36190	2 lb	\$675.00
1t	(2,204.6 lb)	36191	2 lb	675.00
2t	(4,409.2 lb)	36192	3 lb	675.00
3.5t	(7717.5 lb)	36193	3 lb	675.00
5t	(11,023.1 lb)	36194	3 lb	675.00

## Order Information: OIML

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
0.25t	(551.2lb)	126714	2lb	\$675.00
0.5t	(1102.3lb)	126715	2lb	675.00
1t	(2204.6lb)	126716	3lb	675.00
2t	(4409.2lb)	126717	3lb	675.00
3.5t	(7717.5lb)	126718	3lb	675.00
5t	(11,023.1lb)	126719	3lb	675.00

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLC	80

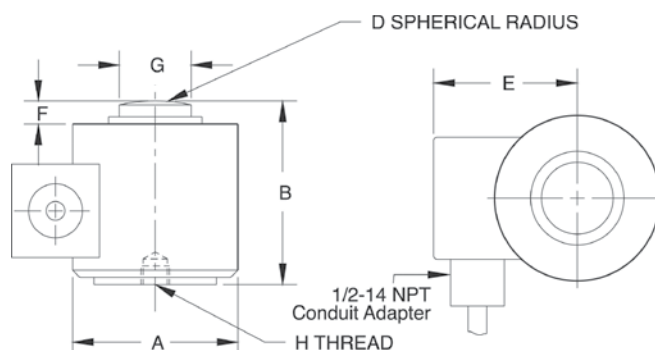
## Replacement Rocker Pin Set\*

LOAD RATING (PER MODULE)	PART #	PRICE
250 kg-1 t	170875	\$108.00
2t-5t	170876	108.00
10t	170877	108.00

\*Kit includes upper cup, rocker pin and grease



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
1.75 mV/V

**Output Resistance:**  
480 ( $\pm 4.8$ ) ohms

**Input Resistance:**  
450 ( $\pm 4.5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
CP-D3-XX-30P5

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.15% full scale

**Non-repeatability:**  
0.03% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
10,000 lb-50,000 lb=0.003 in (0.76 mm)  
100,000 lb-300,000 lb=0.006 in (0.152 mm)  
500,000 lb=0.009 in (0.228 mm)

**Seal Type:**  
Welded seal, IP68

**Cable Length:**  
30 ft (9.2 m)

**Cable Diameter:**  
0.295 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Transparent ..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	D	E	F	G	H	DEPTH OF H
<b>lb/in</b>								
10,000-50,000	2.88	3.25	6.00	3.30	0.40	1.25	1/2-20 UNF-2B	0.31
100,000	4.12	5.00	6.00	3.50	0.51	2.31	3/4-16 UNF-2B	0.56
200,000-300,000	6.00	7.25	17.00	4.60	1.04	3.13	3/4-16 UNF-2B	0.75
500,000	6.50	9.00	17.00	4.80	0.56	3.69	3/4-16 UNF-2B	0.75
<b>kg/mm</b>								
4,535.9-22,679.6	73.2	82.6	152.4	83.8	10.2	31.8	1/2-20 UNF-2B	7.9
45,359.2	104.7	127.0	152.4	88.9	13.0	58.7	3/4-16 UNF-2B	14.2
90,718.5-136,077.7	152.4	184.2	431.8	116.8	26.4	79.5	3/4-16 UNF-2B	19.1
226,796.2	165.1	228.6	431.8	121.9	14.2	93.7	3/4-16 UNF-2B	19.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
10,000 lb	(4,535.9 kg)	17588	8 lb	\$1,325.00
25,000 lb	(11,339.8 kg)	17589	8 lb	1,325.00
50,000 lb	(22,679.6 kg)	17590	8 lb	1,325.00
100,000 lb	(45,359.2 kg)	17591	16 lb	1,485.00
200,000 lb	(90,718.5 kg)	17592	40 lb	2,295.00
300,000 lb	(136,077.7 kg)	17593	40 lb	2,525.00
500,000 lb	(226,796.2 kg)	17594	53 lb	4,495.00

Note: The model CP is the same as the RTI CPI

## Interchangeable Products

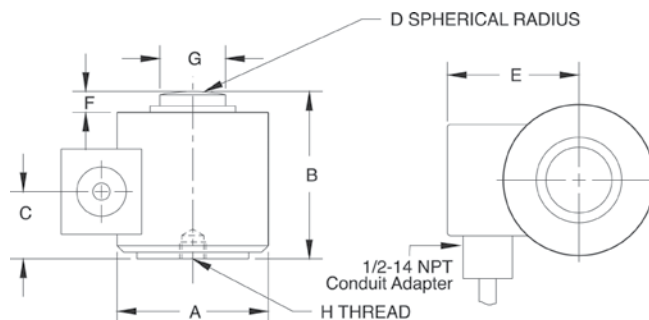
MANUFACTURER	MODEL
Artech®	90210
Cardinal®	CP1
Howe Richardson®	20908XXX
VPG Revere®	392B
Streeter Amet®	3753070, 3752030, 3752040, 3751940

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	MagnaMount®	104



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2 mV/V

**Output Resistance:**

480 (± 4.8) ohms

**Input Resistance:**

450 (± 4.5) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**

CSP-B10-XX-30P5 (NTEP Certified  
1:10,000)  
CSP-D3-XX-30P5 (Non-NTEP Certified)

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Combined Error:**

0.02% full scale (0.05% Non-NTEP Certified)

**Non-repeatability:**

0.01% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

10,000 lb-50,000 lb=0.003 in  
(0.76 mm)  
100,000 lb-300,000 lb=0.006 in  
(0.152 mm)  
500,000 lb=0.009 in (0.228 mm)

**Seal Type:**

Welded seal, IP68

**Cable Length:**

30 ft (9.2 m)

**Cable Diameter:**

0.295 polyurethane jacket

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Transparent..... Shield

**Warranty:**

One-year limited warranty

**Approvals:**


## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	DEPTH OF H
<b>lb/inches</b>									
10,000-50,000	2.88	3.25	1.28	6.00	2.51	0.40	1.25	1/2-20 UNF-2B	0.38
100,000	4.12	5.00	2.15	6.00	3.39	0.51	2.31	3/4-16 UNF-2B	0.56
200,000-300,000	6.00	7.25	3.63	17.00	4.26	1.04	3.13	3/4-16 UNF-2B	0.75
500,000	6.50	9.00	4.34	17.00	4.59	0.56	3.69	3/4-16 UNF-2B	0.75
<b>kg/mm</b>									
4,535.9-22,679.6	73.2	82.6	32.5	152.4	63.8	10.2	31.8	1/2-20 UNF-2B	9.7
45,359.2	104.7	127.0	54.6	152.4	86.1	13.0	58.7	3/4-16 UNF-2B	14.2
90,718.5-136,077.7	152.4	184.2	92.2	431.8	108.2	26.4	79.5	3/4-16 UNF-2B	19.1
226,796.2	165.1	228.6	110.2	431.8	116.6	14.2	93.7	3/4-16 UNF-2B	19.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:10000</b>				
25,000 lb	(11,339.8 kg)	21649	7 lb	\$1,605.00
50,000 lb	(22,679.6 kg)	21650	7 lb	1,605.00
100,000 lb	(45,359.2 kg)	21651	15 lb	1,785.00
200,000 lb	(90,718.5 kg)	21652	36 lb	2,395.00
<b>Non-NTEP Certified</b>				
10,000 lb	(4535.9 kg)	17595	6 lb	1,520.00
300,000 lb	(136,077.7 kg)	17597	6 lb	2,495.00
500,000 lb	(226,796.2 kg)	17598	6 lb	4,685.00

† Load cell diameter may not be identical

Note: The model CSP is the same as the RTI CSPI

## Interchangeable Products

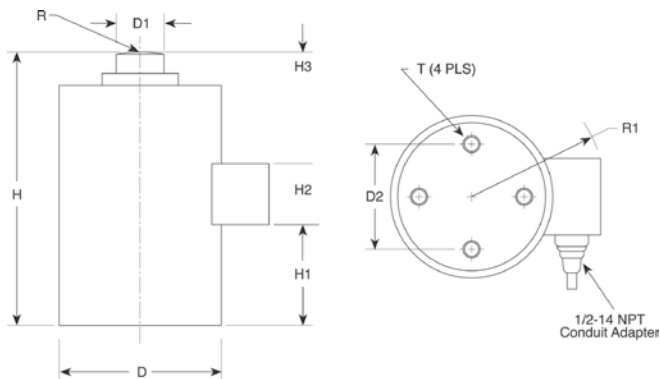
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLCSP1†	163
Artech®	90310†	—
Howe Richardson®	244699-000X†	—
VPG Reverse®	692B†	—
Streeter Amet®	3760XXX	—

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	MagnaMount®	104



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**
350 ( $\pm 3.5$ ) ohms
**Input Resistance:**
350 ( $\pm 3.5$ ) ohms
**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**

792-B10-XX-35P5

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Non-repeatability:**

0.01% full scale

**Combined Error:**

0.03% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

50,000 lb=0.004 in (0.102 mm)  
100,000 lb=0.006 in (0.152 mm)  
200,000 lb=0.009 in (0.228293 mm)

**Seal Type:**

Welded seal, IP68

**Cable Length:**

35 ft (10.7 m)

**Cable Diameter:**

0.295 polyurethane jacket

**Cable Color Code:**

Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Transparent..... Shield

**Warranty:**

One-year limited warranty

**Approvals:**


## Dimensions

RATED CAPACITY	D	D1	D2	H	H1	H2	H3	H4	R	R1	T
<b>lb/in</b>											
50,000	4.50	1.25	2.38	7.50	3.06	1.60	0.75	0.25	6.00	3.75	3/8-24 UNF x .63 DP
100,000	5.75	1.75	4.00	9.13	2.60	1.60	1.05	0.17	12.00	4.05	1/2-20 UNF x .75 DP
200,000	7.50	2.50	5.50	11.63	3.95	1.60	0.97	0.17	12.00	5.11	5/8-18 UNF x 1.00 DP
<b>kg/mm</b>											
22,679.6	114.3	31.8	58.4	190.5	77.7	40.6	19.1	6.4	152.4	95.3	3/8-24 UNF x 16.0 DP
45,359.2	146.1	44.5	101.6	231.9	66.0	40.6	26.6	4.3	304.8	102.9	1/2-20 UNF x 19.1 DP
90,718.5	190.5	63.5	139.7	295.4	100.3	40.6	24.6	4.3	304.8	129.8	5/8-18 UNF x 25.4 DP

## Order Information

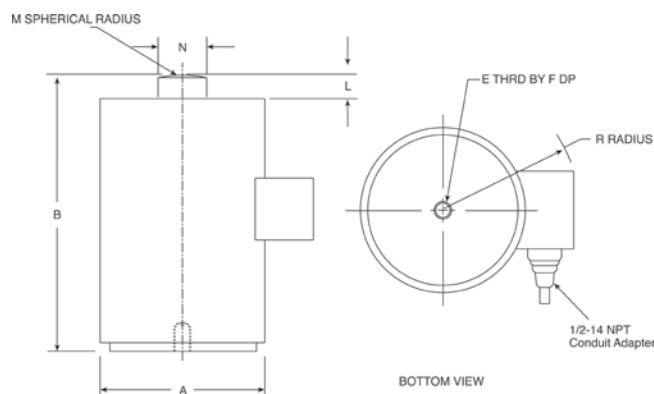
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg) 31307	19 lb	\$2,195.00
100,000 lb	(45,359.2 kg) 31306	35 lb	2,195.00
200,000 lb	(90,718.5 kg) 31305	74 lb	3,395.00

## Interchangeable Information

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL8C2P1SS	167
Artech®	90405	—



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**
350 ( $\pm 3.5$ ) ohms
**Input Resistance:**
350 ( $\pm 3.5$ ) ohms
**Material/Finish:**

Stainless steel, epoxy coated

**Temperature:**
Operating range  
-40° F to 150° F (-40° C to 65° C)
**Manufacturer Model Number:**

92-D3-XX-40P1

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Non-repeatability:**

0.01% full scale

**Combined Error:**

0.05% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**
50,000 lb=0.004 in (0.102 mm)  
100,000 lb=0.006 in (0.152 mm)
**Seal Type:**

Welded seal, IP68

**Cable Length:**

40 ft (12.2 m)

**Cable Diameter:**

0.295 polyurethane jacket

**Cable Color Code:**

Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Orange ..... Shield

**Warranty:**

One-year limited warranty

**Approvals:**


## Dimensions

RATED CAPACITY	A	B	E	F	L	M	N	R
<b>lb/in</b>								
50,000	4.25	6.00	3/4-16 UNF	0.56	0.50	6.00	1.50	3.80
100,000	5.03	8.50	3/4-16 UNF	0.56	0.63	12.00	1.75	4.00
<b>kg/mm</b>								
22,679.6	108.0	152.4	3/4-16 UNF	14.2	12.7	152.4	38.1	96.5
45,359.2	127.8	215.9	3/4-16 UNF	14.2	16.0	304.8	44.5	101.6

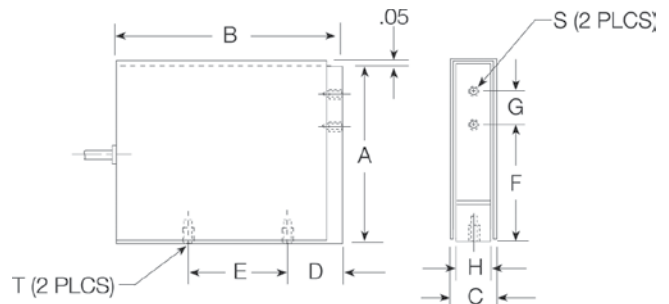
## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg)	17642	16 lb	\$1,480.00
100,000 lb	(45,359.2 kg)	17643	18 lb	1,480.00





Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
390 ( $\pm 15$ ) ohms

**Material/Finish:**  
Alloy steel with stainless steel cover

**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
462-D3-XX-10P1

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC nominal (15V maximum)

**Combined Error:**  
0.03% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
2 lb-20 lb=0.06 in (1.5 mm)  
50 lb-250 lb=0.04 in (1.0 mm)

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
10 ft (3.1 m)

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal  
Transparent..... Shield

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	T	S
<b>lb/in</b>										
2-20	4.00	5.13	0.91	1.25	2.20	2.60	0.75	0.75	1/4-28 UNF-2B x .38 DP	10-32 UNF-2B x .25 DP
50-100	4.60	6.00	1.16	1.90	2.20	2.60	1.00	1.00	3/8-24 UNF-2B x .50 DP	1/4-28 UNF-2B x .50 DP
250	4.60	6.00	1.16	1.90	2.20	2.35	1.50	1.00	3/8-24 UNF-2B x .50 DP	3/8-24 UNF-2B x .50 DP
<b>kg/mm</b>										
0.9-9.1	101.6	130.3	23.1	31.8	55.9	66.0	19.1	19.1	1/4-28 UNF-2B x .38 DP	10-32 UNF-2B x .25 DP
22.7-45.4	116.8	152.4	29.5	48.3	55.9	66.0	25.4	25.4	3/8-24 UNF-2B x .50 DP	1/4-28 UNF-2B x .50 DP
113.4	116.8	152.4	29.5	48.3	55.9	59.7	38.1	25.4	3/8-24 UNF-2B x .50 DP	3/8-24 UNF-2B x .50 DP

## Order Information

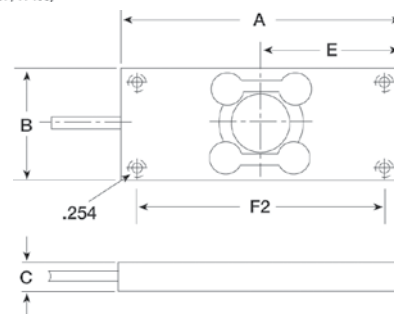
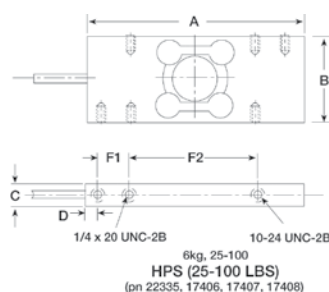
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
2 lb (0.9 kg)	17442	3 lb	\$595.00
5 lb (2.3 kg)	17443	3 lb	595.00
10 lb (4.5 kg)	17444	3 lb	595.00
20 lb (9.1 kg)	17445	3 lb	595.00
50 lb (22.7 kg)	17446	5 lb	625.00
100 lb (45.4 kg)	17447	5 lb	625.00
250 lb (113.4 kg)	17448	5 lb	645.00

# HPS

Single Point, Stainless Steel, Welded-Seal, IP67



Picture is a representation of actual product



## Specifications

HPS (6 KGS)  
(PN 116475)

### Full Scale Output:

3.0 mV/V–25 lb–100 lb  
2.0 mV/V–6 kg

### Output Resistance:

350 (± 7) ohms

### Input Resistance:

400 (± 6) ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
–40° F to 150° F (–40° C to 65° C)

### Manufacturer Model Number:

HPS-D3-XX-10P5

### Safe Overload:

150% full scale

### Rated Excitation:

5–10 V AC/DC (15 V maximum)

### Combined Error:

0.03% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Welded seal, IP67

### Cable Length:

10 ft (3.1 m)

### Cable Color Code:

Green .....+ Excitation  
Black.....– Excitation  
White .....+ Signal  
Red .....– Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

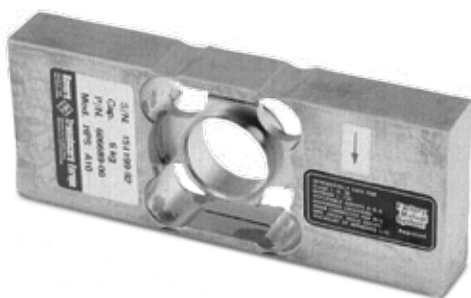
RATED CAPACITY	A	B	C	D	E	F1	F2
<b>kg/lb/inches</b>							
6 kg	5.0	1.98	0.73	—	2.5	—	4.25
25 lb–50 lb	5.0	1.97	0.73	0.25	—	0.75	3.0
100 lb	5.0	1.87	0.94	0.25	—	0.75	3.0
<b>kg/lb/mm</b>							
6.0 kg	127.0	50.2	18.5	—	63.5	—	107.9
25 lb–50 lb	127.0	50.2	18.5	6.3	—	19.0	76.2
100 lb	127.0	46.2	23.8	6.3	—	19.0	76.2

## Order Information

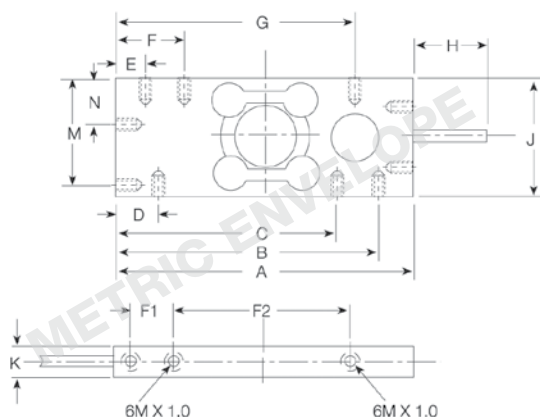
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
6.0 kg	(13.2 lb)	22335	2 lb	\$615.00
6.0 kg	(13.2 lb)	116475	2 lb	615.00
25 lb	(11.3 kg)	17406	2 lb	615.00
50 lb	(22.7 kg)	17407	2 lb	615.00
100 lb	(45.4 kg)	17408	2 lb	780.00

# HPSM

Single Point, Stainless Steel, Welded-Seal IP67, Metric Envelope



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Input Resistance:**  
350 ( $\pm 3.5$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Manufacturer Model Number:**  
HPSM-D3-XX-20P9

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Non-repeatability:**  
0.01% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Welded seal, IP67

**Cable Length:**  
20 ft (6.2 m)

**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	F1	F2	G	H	J	K	M	N
<b>lb/inches</b>														
13.2-66.2	5.1	4.5	3.8	0.88	0.53	1.2	0.75	2.9	4.2	0.98	1.9	0.73	1.7	0.78
<b>kg/mm</b>														
6.0-30.0	130.0	116.5	97.5	22.5	13.5	32.5	19.1	75.0	107.5	25.0	50.0	18.5	44.0	20.0





















## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
6 kg	(13.2 lb) 22334	2 lb	\$615.00
12 kg	(26.4 lb) 109131	2 lb	615.00
30 kg	(66.12 lb) 115336	2 lb	695.00

## Notes

# Table of Contents

## S-Beams

<b>Page 303</b>	<b>60001, Alloy Steel</b>	 <p>Suitable for single- or multiple-cell tension load applications. Nickel plated, high-alloy steel construction. Complete with 20 ft (6.1 m) of load cell cable and full environmental protection with stainless steel side plates. Capacities range from 25 lb to 20,000 lb (113.4 kg to 9,071.9 kg). Capacities of 5,000 lb (2,268.0 kg) or more have standardized output for multiple-cell installations.</p>	 
<b>Page 304</b>	<b>60050, Stainless Steel</b>	 <p>Suitable for single- or multiple-cell applications. Complete with 20 ft (6.1 m) of load cell cable and full environmental protection with stainless steel side plates. Stainless steel construction for added corrosion protection. Capacities range from 250 lb to 20,000 lb (113.4 kg to 9,071.9 kg). Capacities of 5,000 lb (2,268.0 kg) or higher have standardized output for multiple-cell installations.</p>	
<b>Page 305</b>	<b>60063, Stainless Steel</b>	 <p>Welded seal stainless steel a-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP Certified in capacities range from 750 lb to 5,000 lb (226.8 kg to 2,268.0 kg). 10,000 lb (4,535 kg) are non-NTEP Certified.</p>	 
<b>Single-Ended</b>			
<b>Page 306</b>	<b>65023A-5297, Alloy Steel</b>	 <p>The Vishay Sensortronics 65023 has been a staple in the Rice Lake Weighing Systems' Load Cell Guide for years. This model is manufactured from high-alloy steel and is nickel-plated to provide protection from the elements. The latest version is the 65023-XX-5297, which is custom featured with matched outputs and 8.5 ft (2.6 m) of load cell cable. This model was originally designed for Fairbanks® scales under part number 65023-XX-5164 (included a Fairbanks label) and can now be purchased from Rice Lake Weighing Systems for replacement applications. Available in capacities of 1,000 lb, 2,500 lb and 4,000 lb.</p>	 
<b>Page 307</b>	<b>65023A-5107-10, Alloy Steel</b>	 <p>The 65023-5141 is another standard Vishay Sensortronics product modified for a specific OEM manufacturer and now available through Rice Lake Weighing Systems to streamline your replacement part buying needs. This model was previously specific to Pennsylvania Scale and features a standard 9 ft (2.7 m) of load cell cable. Available in 1,000 lb, 2,500 lb and 4,000 lb capacities.</p>	 
<b>Page 308</b>	<b>65023A-5507, Alloy Steel</b>	 <p>The 65023A-XX-5507 is a low profile version of the 65023A-XX-5107 at just 0.75 in high. Available in 1,000 lb and 2,500 lb capacities.</p>	 
<b>Page 309</b>	<b>65023A, Alloy Steel</b>	 <p>Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Nickel-plated high-alloy steel with range thru holes for mounting and a thru or threaded hole for loading. Capacities range from 500 lb to 20,000 lb (226.8 kg to 9,071.9 kg).</p>	 

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## Single-Ended Beams

Page 310

### 65023SS, Stainless Steel, Threaded/Thru



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Capacities range from 250lb to 20,000lb (226.8kg to 9,071.9kg).



Page 311

### 65023S, Stainless Steel



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Capacities range from 1,000lb to 10,000lb (453.6kg to 4,535.9kg).



Page 312

### 65083, Stainless Steel



This welded seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083 has a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1,000lb to 10,000lb (453.6kg to 4,535.9kg). Complete with 20ft (6.1m) of load cell cable.



Page 313

### 65083S, Stainless Steel



This welded seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083S is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000lb to 10,000lb (453.6kg to 4,535.9kg). Complete with 20ft (6.1m) of load cell cable.



Page 314

### 60040, Alloy Steel



Designed for low-profile, single- or multiple-cell weighing applications. Complete with 20ft (6.1m) of load cell cable. Nickel plated, high-alloy steel construction, environmentally protected with a neoprene sleeve. Capacities range from 25lb to 500lb (11.3kg to 226.8kg).



## Single Points

Page 315

### 60048SS, Stainless Steel



Load cell specifically designed for heavy-duty, off-center loads on a 20in x 20in (508mm x 508mm) platform. Stainless steel construction specially designed for washdown situations. Complete with 10ft (3.1m) of load cell cable. 1,000lb (453.6kg) capacity load cell may be used with 30in x 30in (762mm x 762mm) platform. Capacities range from 50lb to 1,000lb (11.3kg to 453.6kg).



Page 316

### 60051, Stainless Steel



Designed as a replacement for the NCI® Mark III in hostile environments. Stainless steel, moisture-resistant single-point cell. Complete with 10ft (3.1m) of load cell cable. 10lb to 25lb (4.5kg to 11.3kg) cells may be used with a base size of 8in x 8in (203.2mm x 203.2mm); 50lb to 200lb (22.7kg to 90.7kg) cells, with a base size of 12in x 12in (304.8mm x 304.8mm).

Page 317

### 60060, Aluminum
























High-capacity off-center load cell accurately weighs loads on a 30in x 30in platform. Aluminum clear anodized construction. Capacities range from 100lb to 2,000lb (45.4kg to 907.2kg). Complete with 10ft (3.1m) of load cell cable.



# Table of Contents

## Double-Ended Beams

<b>Page 318</b>	<b>65016, Alloy Steel</b>
	Nickel plated and environmentally protected with stainless steel side plates. Designed for center loading compatibility with the RL1600 tank weighing assemblies. Capacities range from 1,000lb to 75,000lb (453.6kg to 34,019.4kg). Complete with 25 ft (7.6m) of load cell cable.
	
<b>Page 319</b>	<b>65016W, Stainless Steel</b>
	Offered in stainless steel and with welded seal. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities range from 1,000lb to 75,000lb (453.6kg to 34,019.4kg). Complete with 25 ft (7.6m) of load cell cable.
	
<b>Page 320</b>	<b>65016WH, Stainless Steel</b>
	Stainless steel full hermetic version of the popular 65016 series of load cells capacities range from 1,000 to 75,000lb. Complete with 25 ft (7.6m) of load cell cable.
	
<b>Page 321</b>	<b>65058A, Alloy Steel</b>
	Nickel plated and environmentally protected with stainless steel side plates. Designed for center link loading and compatibility with the MVS or similar suspension systems up to 75,000lb (34,019.4kg). NTEP Certified capacities range from 20,000lb to 125,000lb (9,071.9kg to 56,699.1kg); non-NTEP Certified capacities of 10,000lb (4,535.9kg). Complete with 35 ft (10.6m) of load cell cable.
	
<b>Page 322</b>	<b>65058S, Stainless Steel</b>
	The Vishay Sensortronics 65058S is a double-ended beam specifically designed for harsh environment vehicle weighing applications. This stainless steel, welded-seal product is an ideal substitute for traditional alloy steel, nickel plated units where corrosive or washdown conditions exist. This model is compatible with both the MVS and TSA mounts, and is available in capacities ranging from 10,000lb to 200,000lb (2,268.0kg to 90,718.5kg). Each unit is provided with a standard 35 ft (10.6m) of load cell cable.
	
<b>Page 323</b>	<b>65061A, Alloy Steel</b>
	This unique loading button double-ended beam has been a standard model in Fairbanks truck scales for years. This NTEP Certified, zinc plated, alloy steel load cell (stainless, welded-seal in 50,000lb is also available) is sealed with a potting compound that has been proven through the test of time in numerous applications. This unit is offered in capacities of 40,000lb and 50,000lb (18,143.7kg to 22,679.6kg), and is affordably priced compared to other replacement cell options in the marketplace. Each unit is provided standard with 60 ft (18.2m) of copper overbraid.
	
<b>Page 324</b>	<b>65040A, Alloy Steel</b>
	Nickel plated and environmentally protected with stainless steel side plates. Designed for center mounting and double link loading. Capacities range from 25,000lb to 125,000lb (11,339.8kg to 56,699.1kg). Complete with 35 ft (10.6m) of load cell cable.
	
<b>Page 325</b>	<b>65040S, Stainless Steel</b>
	This model is an upgraded version of the Vishay Sensortronics 65040A, and is offered in stainless steel, with welded sealing. The center-supported double-ended beam design is compatible with Unilink/Translink mounts. The full stainless, welded seal upgrade makes this model ideal for applications where harsh chemicals and washdown conditions exist. This model is available in capacities ranging from 25,000lb to 200,000lb (11,339.8kg to 90,718.5kg), and is provided with a standard 35 ft (10.6m) of load cell cable.
	



# Table of Contents

## Double-Ended Beams

Page 326 65040A-1127W, Alloy Steel



An alloy steel, epoxy painted and welded seal double link center loaded load cell. A replacement for the RL75223 or RTI 5223 load cell. NTEP Certified and has 40ft of cable. Capacities available are 50,000lb and 100,000lb.



## Compression Canister

Page 327 65114, Stainless Steel



The 65114 was specially designed to provide the superior protection of stainless steel and hermetic sealing for truck scale applications. This model is built to provide a high degree of accuracy, while protecting against the severe conditions that truck scale load cells often endure. The easy installation of "rocker column" type load cells also provides a distinct advantage over traditional market alternatives. Available in three different heights, this product can easily be adapted to existing applications.

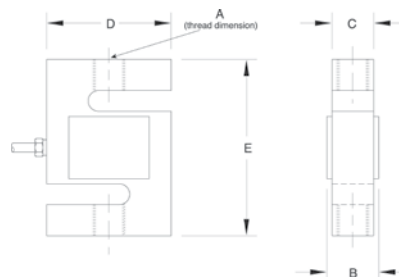


# 60001

S-Beam, Alloy Steel, NTEP Certified 1:5000 Class III/1:10000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V

**Output Resistance:**  
349-355 ohms

**Input Resistance:**  
343-450 ohms

**Material/Finish:**  
High-alloy steel, nickel plated

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
60001A-XX-1177

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
20 ft (6.1 m)

**Cable Diameter:**  
0.200 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/in</b>					
25-200	1/4-28 UNF	0.65	0.50	2.00	2.50
250-300	3/8-24 UNF-2B	0.75	0.50	2.00	3.00
500-2,000	1/2-20 UNF-2B	1.00	0.75	2.00	3.00
2,500-3,000	1/2-20 UNF-2B	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF-2B	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF-2B	1.25	1.00	3.50	4.75
15,000	1-14 UNS-2B	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.25	2.00	5.00	7.00
<b>kg/mm</b>					
11.3-45.4	1/4-28 UNF	16.5	12.7	50.8	63.5
113.4-136.1	3/8-24 UNF-2B	19.1	12.7	50.8	76.2
2,26.8-907.2	1/2-20 UNF-2B	25.4	19.1	50.8	76.2
1,134.0-1,360.8	1/2-20 UNF-2B	31.8	25.4	50.8	76.2
2,268.0	3/4-16 UNF-2B	31.8	25.4	76.2	108.0
4,535.9	3/4-16 UNF-2B	31.8	25.4	88.9	120.7
6,803.9	1-14 UNS-2B	38.1	31.8	101.6	139.7
9,071.9	1 1/4-12 UNF-2B	57.2	50.8	127.0	177.8

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
25lb (11.3 kg)	61116	2 lb	\$295.00
50lb (22.7 kg)	61117	2 lb	295.00
100lb (45.4 kg)	61118	2 lb	295.00
200lb (90.7 kg)	61119	2 lb	295.00
250lb (113.4 kg)	61120	2 lb	295.00
300lb (136.1 kg)	61121	2 lb	295.00
500lb (226.8 kg)	61122	2 lb	295.00
750lb (340.2 kg)	61123	2 lb	295.00
1,000lb (453.6 kg)	61124	2 lb	295.00
1,500lb (680.4 kg)	61125	2 lb	295.00
2,000lb (907.2 kg)	61126	2 lb	295.00
2,500lb (1,134.0 kg)	61127	2 lb	335.00
3,000lb (1,360.8 kg)	61128	2 lb	335.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5,000 lb (2,268.0 kg)	61129	4 lb	\$475.00
10,000 lb (4,535.9 kg)	61130	5 lb	475.00
15,000 lb (6,803.9 kg)	61131	7 lb	575.00
20,000 lb (9,071.9 kg)	61132	18 lb	895.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL20001	124
VPG Celtron®	STC	198

## Weigh Module Available

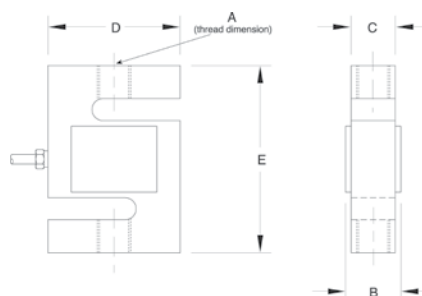
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

## 60050

S-Beam, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

343-450 ohms

**Material/Finish:**

Stainless steel

**Temperature:**Operating range  
-40° F to 150° F (-40° C to 65° C)**Manufacturer Model Number:**

60050

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation  
 Black.....- Excitation  
 Green .....+ Signal  
 White .....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E
<b>lb/in</b>					
250	3/8-24 UNF-2B	0.75	0.50	2.00	3.00
500-1,500	1/2-20 UNF-2B	1.00	0.75	2.00	3.00
2,000-3,000	1/2-20 UNF-2B	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF-2B	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF-2B	1.25	1.00	3.50	4.75
15,000	1-14 UNS-2B	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.00	1.94	5.00	7.00
<b>kg/mm</b>					
113.4	3/8-24 UNF-2B	19.1	12.7	50.8	76.2
226.8-680.4	1/2-20 UNF-2B	25.4	19.1	50.8	76.2
907.2-1,360.8	1/2-20 UNF-2B	31.8	25.4	50.8	76.2
2,268.0	3/4-16 UNF-2B	31.8	25.4	76.2	108.0
4,535.9	3/4-16 UNF-2B	31.8	25.4	88.9	120.7
6,803.9	1-14 UNS-2B	38.1	31.8	101.6	139.7
9,071.9	1 1/4-12 UNF-2B	50.8	49.3	127.0	177.8

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
250 lb (113.4 kg)	17077	2 lb	\$325.00
500 lb (226.8 kg)	17078	3 lb	325.00
750 lb (340.2 kg)	17079	3 lb	325.00
1,000 lb (453.6 kg)	17080	3 lb	325.00
1,500 lb (680.4 kg)	17081	3 lb	325.00
2,000 lb (907.2 kg)	17082	3 lb	365.00
2,500 lb (1,134.0 kg)	17083	3 lb	365.00
3,000 lb (1,360.8 kg)	17084	3 lb	365.00
5,000 lb (2,268.0 kg)	17085	4 lb	550.00
10,000 lb (4,535.9 kg)	17086	5 lb	550.00
15,000 lb (6,803.9 kg)	17087	8 lb	650.00
20,000 lb (9,071.9 kg)	17088	16 lb	975.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Celtron®	STC-SS	200

## Weigh Module Available

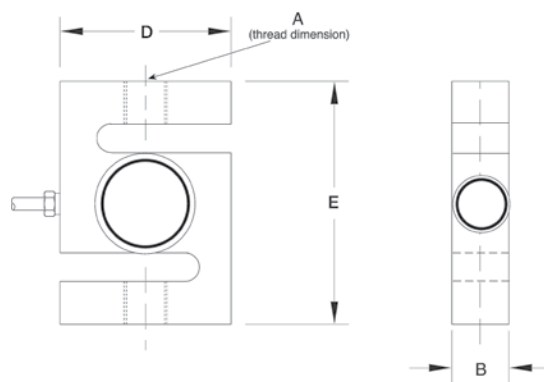
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# 60063



S-Beam, Stainless Steel, Welded-Seal, NTEP Certified, IP68 1:5000 Class III, 1:10,000 Class IIIL Single Cell



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0mV/V	<b>Manufacturer Model Number:</b> 60063	<b>Seal Type:</b> Welded-seal, IP68	<b>Warranty:</b> One-year limited warranty
<b>Output Resistance:</b> 349-355 ohms	<b>Safe Overload:</b> 150% full scale	<b>Cable Length:</b> 20 ft (6.1 m)	<b>Approvals:</b>  
<b>Input Resistance:</b> 349-350 ohms	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Diameter:</b> 0.200 polyurethane jacket	
<b>Material/Finish:</b> Stainless steel	<b>Nonlinearity:</b> 0.03% full scale	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green.....+ Signal White.....- Signal	
<b>Temperature:</b> Compensated range 14° F to 104° F (-10° C to 40° C) Operating range -40° F to 150° F (-40° C to 65° C)	<b>Hysteresis:</b> 0.02% full scale		
	<b>Insulation Resistance:</b> 5,000 megohms		

## Dimensions

RATED CAPACITY	A	B	D	E
<b>lb/in</b>				
500-3,000	1/2-20 UNF	1.00	2.00	3.00
5,000-10,000	3/4-16 UNF	1.00	3.50	4.75
<b>kg/mm</b>				
1,360.8	1/2-20 UNF	25.4	50.8	76.2
2,268.0-4,535.9	3/4-16 UNF	25.4	88.9	120.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified</b>				
500 lb	(226.8 kg)	36272	3 lb	\$825.00
750 lb	(340.2 kg)	36273	3 lb	825.00
1,000 lb	(453.6 kg)	36274	3 lb	825.00
1,500 lb	(680.4 kg)	36275	3 lb	825.00
2,000 lb	(907.2 kg)	36276	3 lb	825.00
2,500 lb	(1,134.0 kg)	36277	3 lb	825.00
3,000 lb	(1,360.8 kg)	36278	3 lb	825.00
5,000 lb	(2,268.0 kg)	36279	4 lb	1,095.00
<b>Non-NTEP Certified</b>				
10,000 lb	(4,535.9 kg)	36280	4 lb	1,095.00

## Interchangeable Products

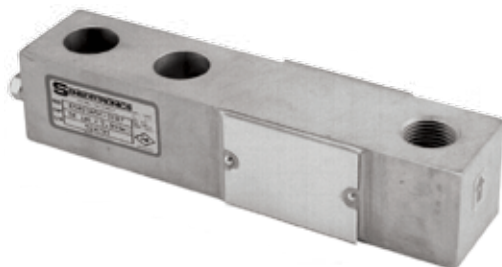
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL20001HE	125

## Weigh Module Available

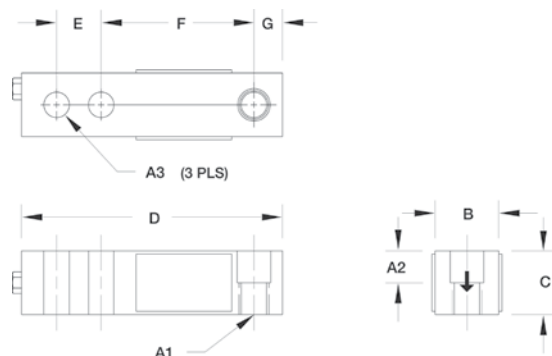
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

# 65023A-5297

Single-Ended Shear Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V ohms calibration

### Output Resistance:

349-355 ohms

### Input Resistance:

343-357 ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

### Manufacturer Model Number:

65023A-XX-5297

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

1,000 lb=0.013 in (0.33 mm),  
2,500 lb-4,000 lb=0.015 in (0.38 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

8.5 ft (2.6 m) for 1,000 lb-2,500 lb  
10 ft (3 m) for 5,000 lb

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	B	C	D	E	F	G
<b>lb/in</b>									
1,000-2,500 lb SE**	1/2-20 UNF-2B	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50
5,000 lb LE*	3/4-16 UNF-2B	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75
<b>kg/mm</b>									
453.6-1,134.0	1/2-20 UNF-2B	15.8	13.5	31.8	31.8	130.1	25.4	76.2	12.7
1,814.4	3/4-16 UNF-2B	19.1	19.8	38.1	38.1	171.5	38.1	95.3	19.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	68825	3 lb	\$295.00
2,500 lb	(1,134.0 kg)	68824	3 lb	295.00
5,000 lb LE*	(1,814.4 kg)	156957	5 lb	375.00

\*LE refers to large envelope

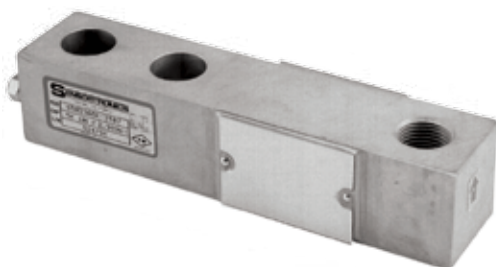
\*\*SE refers to small envelope

## Interchangeable Products

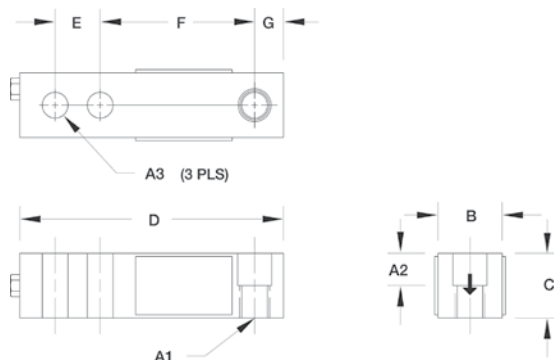
MANUFACTURER	MODEL
Fairbanks®	65023A-XX-5164

# 65023A-5107-10

Single-Ended Shear Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0mV/V trimmed outputs

**Output Resistance:**  
349-355 ohms

**Input Resistance:**  
343-357 ohms

**Material/Finish:**  
High-alloy steel, nickel plated

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
65023A-XX-5107-10

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Deflection at Capacity:**  
1,000 lb=0.013 in (0.33 mm),  
2,500 lb=0.015 in (0.38 mm)

**Seal Type:**  
Environmentally sealed, IP67

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	B	C	D	E	F	G
<b>lb/in</b>									
1,000-2,500	1/2-20 UNF-2B	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50
<b>kg/mm</b>									
453.6-1,134.0	1/2-20 UNF-2B	15.8	13.5	31.8	31.8	130.1	25.4	76.2	12.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	68827	3 lb	\$295.00
2,500 lb	(1,134.0 kg)	68826	3 lb	295.00

## Interchangeable Products

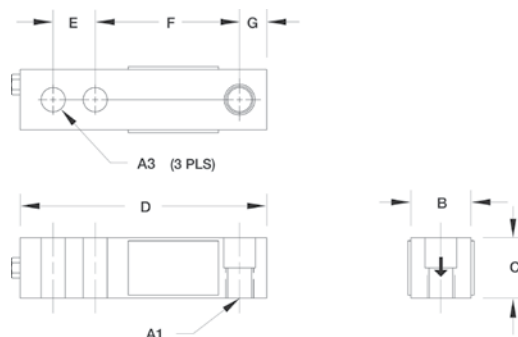
MANUFACTURER	MODEL
Pennsylvania®	65023A-XX-5141

# 65023A-5507

Single-Ended Shear Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

349-355 ohms

### Input Resistance:

343-357 ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 VDC max)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Combined Error:

0.02% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

1,000 lb=0.013 in (0.33 mm),  
2,500 lb=0.015 in (0.38 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

10 ft (3.05 m)

### Cable Diameter:

0.200 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A3	B	C	D	E	F	G
<b>lb/in</b>								
1,000-2,500	1/2-20 UNF-2B	0.53	1.25	0.75	5.12	1.00	3.00	0.50
<b>kg/mm</b>								
453.6-1,134.0	1/2-20 UNF-2B	13.5	31.8	19.05	130.1	25.4	76.2	12.7

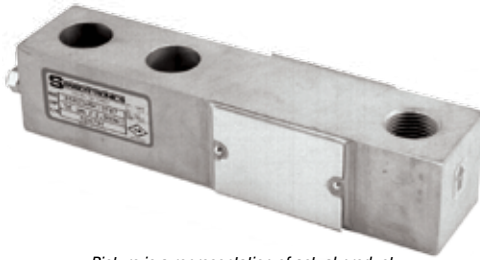
## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb	(453.6 kg)	107785	3 lb	\$295.00
2,500 lb	(1,134.0 kg)	107786	3 lb	295.00

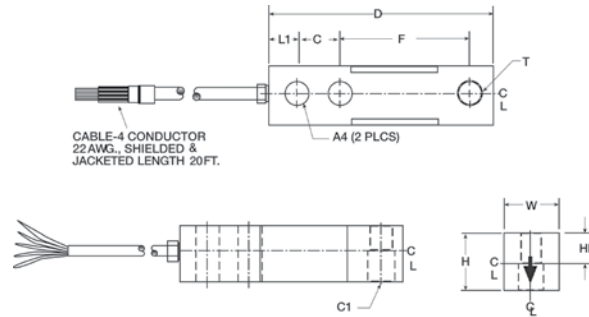


# 65023A



Single-Ended Shear Beam, Alloy Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Manufacturer Model Number:</b> 65023-XX-X107 (threaded) 65023-XX (thru)	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Length:</b> 20 ft (6.1 m)
<b>Output Resistance:</b> 349-355 ohms	<b>Safe Overload:</b> 150% full scale	<b>Deflection at Capacity:</b> 500 lb-1,500 lb=0.013 in (0.33 mm), 1,000 lb-5,000 lb=0.017 in-0.025 in (0.42 mm-0.64 mm), 5,000 lb-10,000 lb=0.025 in-0.035 in (0.64 mm-0.89 mm), 15,000 lb-20,000 lb=0.048 in-0.013 in (1.22 mm-0.33 mm)	<b>Cable Diameter:</b> 0.200 polyurethane jacket
<b>Input Resistance:</b> 343-357 ohms	<b>Safe Sideload:</b> 100% full scale		<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Material/Finish:</b> High-alloy steel, nickel plated	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Warranty:</b> One-year limited warranty
<b>Temperature:</b> Compensated range 14° F to 104° F (-10° C to 40° C) Operating range -40° F to 150° F (-40° C to 65° C)	<b>Nonlinearity:</b> 0.03% full scale <b>Hysteresis:</b> 0.02% full scale	<b>Approvals:</b>  	

## Dimensions

RATED CAPACITY	T	L1	C1	W	H	D	C	F	G
<b>lb/in</b>									
500	1/2-20 UNF-2B	0.62	0.53	1.25	1.00	5.12	1.00	3.00	0.50
1,000-5,000 SE*	1/2-20 UNF-2B	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50
5,000 LE** -10,000	3/4-16 UNF-2B	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75
15,000-20,000	1-14 UNS-2B	1.00	1.03	2.00	2.00	8.88	2.00	4.88	1.00
<b>kg/mm</b>									
226.8	1/2-20 UNF-2B	15.8	13.5	31.8	25.4	130.1	25.4	76.2	12.7
453.6-1,814.4	1/2-20 UNF-2B	15.8	13.5	31.8	31.8	130.1	25.4	76.2	12.7
2,268.0-4,535.9	3/4-16 UNF-2B	19.1	19.8	38.1	38.1	171.5	38.1	95.3	19.1
6,803.9-9,071.9	1-14 UNS-2B	25.4	26.2	50.8	50.8	225.6	50.8	124.0	25.4

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Threaded Hole, NTEP Certified 1:5000</b>			
1,000 lb (453.6 kg)	21507	3 lb	\$295.00
1,500 lb (680.4 kg)	69832	3 lb	295.00
2,000 lb (907.2 kg)	21508	3 lb	295.00
2,500 lb (1,134.0 kg)	21509	3 lb	295.00
3,000 lb (1,360.8 kg)	21510	3 lb	295.00
4,000 lb (1,814.4 kg)	21511	3 lb	295.00
5,000 lb SE*	102884	3 lb	295.00
5,000 lb LE**	21512	5 lb	375.00
10,000 lb (4,535.9 kg)	21513	5 lb	375.00
<b>Threaded Hole, Non-NTEP Certified</b>			
500 lb (226.8 kg)	17125	3 lb	295.00
15,000 lb (6,803.9 kg)	17155	9 lb	650.00
20,000 lb (9,071.9 kg)	17159	10 lb	650.00

\*SE refers to small envelope

\*\*LE refers to large envelope

## Interchangeable Products

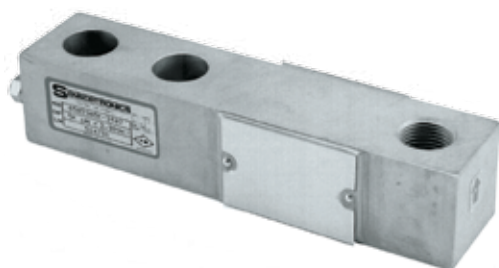
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023 (threaded version)	133
VPG Celtron®	SQB	202
Rice Lake Weighing Systems	RL30002 (thru hole version)	128

## Weigh Module Available

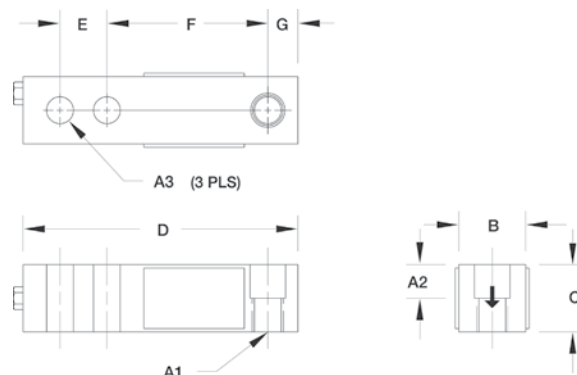
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

**65023SS**

Single-Ended Beam, Stainless Steel, Threaded, IP67



Picture is a representation of actual product

**Specifications****Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

343-357 ohms

**Material/Finish:**

Stainless steel

**Temperature:**Operating range  
-40° F to 150° F (-40° C to 65° C)**Manufacturer Model Number:**65023-XX-0113 (threaded),  
65023-XX-0114 (thru)**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**500 lb-1,500 lb=0.013 in (0.33 mm),  
1,000 lb-5,000 lb=0.017 in-0.025 in  
(0.42 mm-0.64 mm),  
5,000 lb-10,000 lb=0.025 in-0.035 in  
(0.64 mm-0.89 mm),  
15,000 lb-20,000 lb=0.048 in-0.013 in  
(1.22 mm-0.33 mm)**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal**Warranty:**

One-year limited warranty

**Approvals:****Dimensions**

RATED CAPACITY	A1	A2	A3	B	C	D	E	F	G
<b>lb/in</b>									
250-500	1/2-20 UNF-2B	0.50	0.53	1.25	1.00	5.12	1.00	3.00	0.50
1,000-4,000	1/2-20 UNF-2B	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50
5,000-10,000	3/4-16 UNF-2B	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75
15,000-20,000	1-14 UNS-2B	1.00	1.03	2.00	2.00	8.88	2.00	4.88	1.00
<b>kg/mm</b>									
113.4-226.8	1/2-20 UNF-2B	12.7	13.5	31.8	25.4	130.1	25.4	76.2	12.7
453.6-1,814.4	1/2-20 UNF-2B	15.8	13.5	31.8	31.8	130.1	25.4	76.2	12.7
2,268.0-4,535.9	3/4-16 UNF-2B	19.1	19.8	38.1	38.1	171.5	38.1	95.3	19.1
6,803.9-9,071.9	1-14 UNS-2B	25.4	26.2	50.8	50.8	225.6	50.8	124.00	25.4

**Order Information**

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>Threaded Hole</b>				
250 lb	(113.4 kg)	46499	3 lb	\$365.00
500 lb	(226.8 kg)	17188	3 lb	365.00
1,000 lb	(453.6 kg)	17128	3 lb	345.00
2,000 lb	(907.2 kg)	17132	3 lb	345.00
2,500 lb	(1,134.0 kg)	17136	3 lb	345.00
4,000 lb	(1,814.4 kg)	17144	3 lb	345.00
5,000 lb	(2,268.0 kg)	17148	5 lb	430.00
10,000 lb	(4,535.9 kg)	17152	5 lb	430.00
15,000 lb	(6,803.9 kg)	17156	9 lb	760.00
20,000 lb	(9,071.9 kg)	17160	9 lb	760.00

**Interchangeable Products**

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023S	134

**Weigh Module Available**

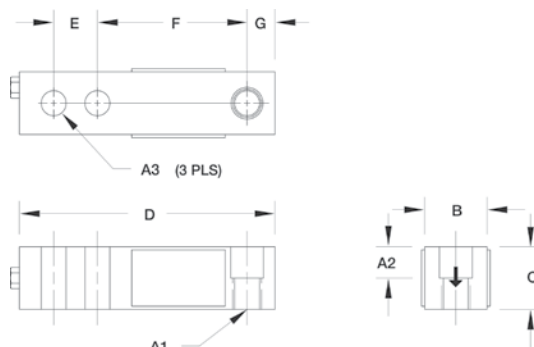
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

# 65023S

Single-Ended Shear Beam, Stainless Steel, NTEP Certified 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
349-355 ohms

**Input Resistance:**  
343-357 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
65023SXX-5113

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

### Deflection at Capacity:

500 lb-1,500 lb=0.013 in (0.33 mm),  
1,000 lb-5,000 lb=0.017 in-0.025 in  
(0.42 mm-0.64 mm),  
5,000 lb-10,000 lb=0.025 in-0.035 in  
(0.64 mm-0.89 mm),  
15,000 lb-20,000 lb=0.048 in-0.013 in  
(1.22 mm-0.33 mm)

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

20 ft (6.1 m)

### Cable Color Code:

Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A1	A2	A3	B	C	D	E	F	G
<b>lb/in</b>									
1,000-4,000	1/2-20 UNF-2B	0.62	0.53	1.00	1.25	5.12	1.00	3.00	0.50
5,000-10,000	3/4-16 UNF-2B	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75
<b>kg/mm</b>									
453.6-1,814.4	1/2-20 UNF-2B	15.8	13.5	31.8	31.8	130.1	25.4	76.2	12.7
2,268.0-4,535.9	3/4-16 UNF-2B	19.1	19.8	38.1	38.1	171.5	38.1	95.3	19.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Threaded Hole</b>			
1,000 lb	(453.6 kg) 28925	3 lb	\$365.00
2,000 lb	(907.2 kg) 28926	3 lb	365.00
2,500 lb	(1,134.0 kg) 28927	3 lb	365.00
2,500 lb*	(1,134.0 kg) 170030	2 lb	365.00
4,000 lb	(1,814.4 kg) 28929	3 lb	365.00
5,000 lb	(2,268.0 kg) 28930	5 lb	430.00
10,000 lb	(4,535.9 kg) 28931	5 lb	430.00

\*65023S 2,500 lb- 5513, low-profile 0.75 inches tall

## Interchangeable Products

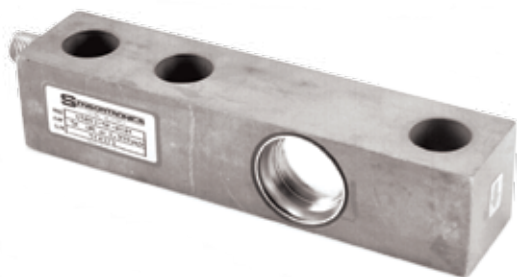
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35023S	134
VPG Sensortronics®	65023 SS	310

## Weigh Module Available

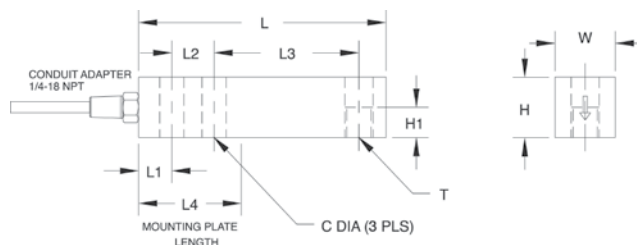
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62


**65083**

Single-Ended Beam, Stainless Steel, Welded-Seal, IP67



Picture is a representation of actual product

**Specifications**

<b>Full Scale Output:</b> 3.0 mV/V	<b>Manufacturer Model Number:</b> 65083-XX-0100	<b>Insulation Resistance:</b> 5,000 megohms	<b>Conduit Adapter Size:</b> 1/4-18 NPT
<b>Output Resistance:</b> 349-355 ohms	<b>Safe Overload:</b> 150% full scale	<b>Deflection at Capacity:</b> 1,000 lb-4,000 lb=0.008-0.026 in, 5,000 lb-10,000 lb=0.030-0.055 in	<b>Cable Color Code:</b> Red .....+ Excitation Black .....- Excitation Green .....+ Signal White .....- Signal
<b>Input Resistance:</b> 343-357 ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Welded-seal*, IP67	<b>Warranty:</b> One-year limited warranty
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 20 ft (6.1 m) PTFE cable	<b>Approvals:</b> 
<b>Temperature:</b> Operating range -40° F to 150° F (-40° C to 65° C)	<b>Combined Error:</b> .03% full scale	<b>Cable Diameter:</b> 0.220 PTFE jacket	
	<b>Non-Repeatability:</b> 0.01% full scale		

**Dimensions**

RATED CAPACITY	C	H	H1	L	L1	L2	L3	L4	T	W
<b>lb/in</b>										
1,000-4,000	0.53	1.22	0.61	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5,000-10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
<b>kg/mm</b>										
453.6-1,814.4	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2	1/2-20 UNF-2B	31.0
2,268.0-4,535.9	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1

**Order Information**

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	17262	3 lb	\$405.00
2,500 lb (1,134.0 kg)	17263	3 lb	405.00
4,000 lb (1,814.4 kg)	17264	3 lb	405.00
5,000 lb (2,268.0 kg)	17265	5 lb	455.00
10,000 lb (4,535.9 kg)	17266	5 lb	455.00

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

**Interchangeable Products**

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35083	135
Vishay Celtron®	SQB-HSS	203

**Weigh Module Available**

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

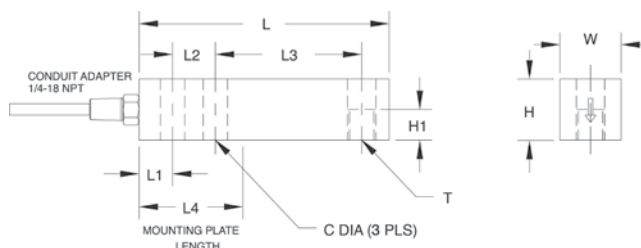
# 65083S

Single-Ended Beam, Stainless Steel, Welded-Seal, IP67, IP66/68, NTEP Certified 1:5000 Class III Multiple Cell



IP66/68 model\*\*

Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

349-355 ohms

### Input Resistance:

343-357 ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

### Manufacturer Model Number:

65083S-5100 (IP67 model)  
65083S-5117 (IP66/68 model)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Combined Error:

0.02% full scale

### Non-repeatability:

0.01% full scale

### Insulation Resistance:

5,000 megohms

### Deflection at Capacity:

1,000 lb-4,000 lb=0.012 in  
5,000 lb-10,000 lb=0.03 in

### Seal Type:

Welded-seal, IP67, Hermetically sealed\*, IP66/68, 5,000 lb-10,000 lb, 0.032 in

### Cable Length:

20 ft (6.1 m), PTFE coated

### Cable Diameter:

0.220 PTFE jacket

### Conduit Adapter Size:

1/4-18 NPT\*\*

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	H	H1	L	L1	L2	L3	L4	T	W
<b>lb/in</b>										
1,000-4,000	0.53	1.22	0.61	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5,000-10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
<b>kg/mm</b>										
453.6-1,814.4	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2	1/2-20 UNF-2B	31.0
2,268.0-4,535.9	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Welded-seal IP67</b>			
1,000 lb (453.6 kg)	33552	3 lb	\$425.00
2,500 lb (1,134.0 kg)	33553	3 lb	425.00
4,000 lb (1,814.4 kg)	33554	3 lb	425.00
5,000 lb (2,268.0 kg)	33555	5 lb	475.00
10,000 lb (4,535.9 kg)	33556	5 lb	475.00
<b>Hermetically sealed IP66/68</b>			
1,000 lb (453.6 kg)	33734	3 lb	505.00
2,500 lb (1,134.0 kg)	33735	3 lb	505.00
4,000 lb (1,814.4 kg)	33736	16 lb	505.00

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

\*\*IP66/68 hermetically sealed version have 1/2-14 NPT conduit adapters

## Interchangeable Products

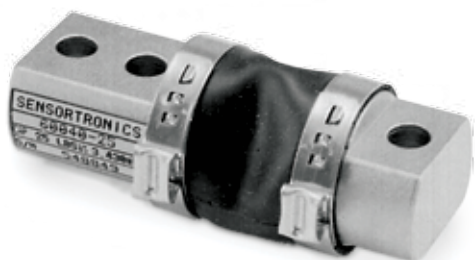
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL35082	136

## Weigh Module Available

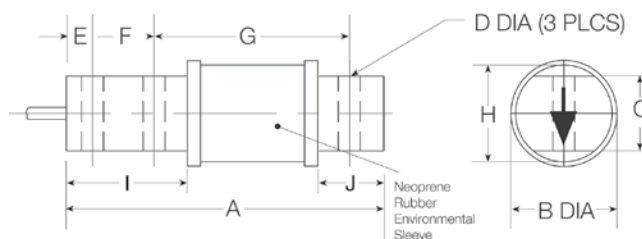
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

## 60040

Single-Ended Beam, Alloy Steel, IP65



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

349-355 ohms

**Input Resistance:**

380-450 ohms

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**Operating range  
-40° F to 150° F (-40° C to 65° C)**Manufacturer Model Number:**

60040

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

25 lb-50 lb=0.008 in (20 mm)

75 lb-100 lb=0.010 in (25 mm)

150 lb=0.012 in (30 mm)

250 lb=0.016 in (41 mm)

500 lb=0.025 in (64 mm)

**Seal Type:**

Environmentally sealed with a neoprene sleeve, IP65

**Cable Length:**

20 ft (6.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**

Red .....+ Excitation

Black.....- Excitation

Green .....+ Signal

White .....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>lb/in</b>										
25-500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50
<b>kg/mm</b>										
11.3-226.8	71.4	33.00	15.8	6.6	6.4	12.7	46.00	25.4	25.4	12.7

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
25 lb	(11.3 kg)	17369	2 lb	\$245.00
50 lb	(22.7 kg)	17370	2 lb	245.00
75 lb	(34.0 kg)	17371	2 lb	245.00
100 lb	(45.4 kg)	17372	2 lb	245.00
150 lb	(68.0 kg)	17373	2 lb	245.00
250 lb	(113.4 kg)	17374	2 lb	245.00
500 lb	(226.8 kg)	17375	2 lb	245.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	142
VPG Revere®	5503	—
Artech®	50210	—

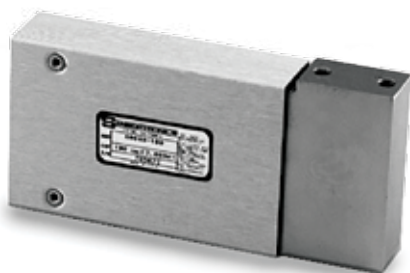
## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52

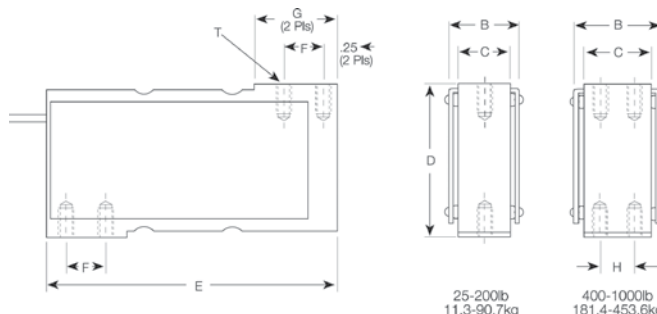


# 60048SS


Single Point, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0 mV/V nominal	<b>Manufacturer Model Number:</b> 60048-XX-0108	<b>Deflection at Capacity:</b> 50 lb-100 lb=0.013 in (0.33 mm) 200 lb=0.015 in (0.38 mm) 400 lb-500 lb=0.023 in (0.58 mm) 1,000 lb=0.016 in (0.41 mm)	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 349-355 ohms	<b>Safe Overload:</b> 150% full scale	<b>Seal Type:</b> Environmentally sealed, potted, IP67	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 350-450 ohms	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 10 ft (3.1 m)	<b>Approvals:</b> 
<b>Material/Finish:</b> Stainless steel	<b>Nonlinearity:</b> 0.03% full scale	<b>Cable Diameter:</b> 0.200 polyurethane jacket	
<b>Temperature:</b> Operating range -40° F to 150° F (-40° C to 65° C)	<b>Hysteresis:</b> 0.02% full scale		
	<b>Insulation Resistance:</b> 5,000 megohms		

## Dimensions

RATED CAPACITY	T	B	C	D	E	F	G	H
<b>lb/in</b>								
50-200	1/4-28 UNF x 0.75 DP	1.25	1.00	3.00	6.00	1.00	1.50	—
400-500	1/4-28 UNF x 0.75 DP	1.25	1.00	3.00	6.00	1.00	1.50	0.50
1,000	5/16-24 UNF x 0.75 DP	1.75	1.50	3.00	6.00	1.00	1.50	1.00
<b>kg/mm</b>								
22.7-90.7	1/4-28 UNF x 0.75 DP	31.8	25.4	76.2	152.4	25.4	38.1	—
181.4-226.8	1/4-28 UNF x 0.75 DP	31.8	25.4	76.2	152.4	25.4	38.1	12.7
453.6	5/16-24 UNF x 0.75 DP	44.5	38.1	76.2	152.4	25.4	38.1	25.4

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
50 lb	(22.7 kg)	17421	4 lb	\$595.00
100 lb	(45.4 kg)	17423	4 lb	595.00
200 lb	(90.7 kg)	17425	4 lb	595.00
400 lb	(181.4 kg)	17427	5 lb	635.00
500 lb	(226.8 kg)	17429	5 lb	650.00
1,000 lb	(453.6 kg)	17431	6 lb	695.00
1,000 lb***	(453.6 kg)	17514	7 lb	735.00
Adapter kit*	(400 lb & 500 lb)	25562	—	43.00
Single adapter**	(25 lb-200 lb)	17683	—	35.00

\*PN 25562 is needed to convert 400 lb-500 lb (181.4 kg-226.8 kg) capacity cells to these bases

\*\*PN 17683 is needed to use the 60048 load cell in NCI model 3255 and 3256 bases, 50 lb-200 lb (11.3 kg-90.7 kg) capacities

\*\*\*Cable length 25 ft

## Interchangeable Products

MANUFACTURER	MODEL
NCI®/Weigh-Tronix®	Mark V

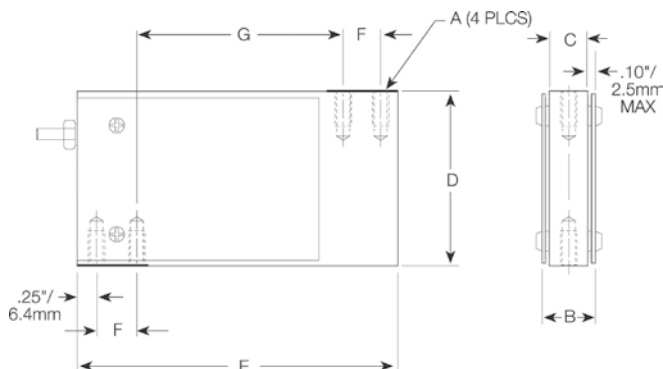


## 60051

Single Point Beam, Stainless Steel, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V**Output Resistance:**  
349-355 ohms**Input Resistance:**  
380-450 ohms**Material/Finish:**  
Stainless steel**Temperature:**  
Operating range  
-40° F to 150° F (-40° C to 65° C)**Manufacturer Model Number:**  
60051**Safe Overload:**  
150% full scale**Rated Excitation:**  
5-10 VDC (15 V maximum)**Nonlinearity:**  
0.03% full scale**Hysteresis:**  
0.02% full scale**Insulation Resistance:**  
5,000 megohms**Deflection at Capacity:**10 lb-15 lb=0.0014 in (0.36 mm)  
25 lb-200 lb=0.0010 in (0.25 mm)**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

10 ft (3.1 m)

**Cable Diameter:**

0.200 polyurethane jacket

**Cable Color Code:**Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G
<b>lb/in</b>							
10-25	1/4-28 UNF-2B	0.70	0.50	2.50	4.63	0.75	2.62
50-200	1/4-28 UNF-2B	0.95	0.75	2.50	4.63	0.75	2.62
<b>kg/mm</b>							
4.5-11.3	1/4-28 UNF-2B	17.8	12.7	63.5	117.6	19.1	66.6
22.7-90.7	1/4-28 UNF-2B	24.1	19.1	63.5	117.6	19.1	66.6

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 lb (4.5 kg)	17432	2 lb	\$695.00
15 lb (6.8 kg)	17433	2 lb	695.00
25 lb (11.3 kg)	17434	2 lb	695.00
50 lb (22.7 kg)	17435	3 lb	525.00
100 lb (45.4 kg)	17436	3 lb	525.00
200 lb (90.7 kg)	17437	3 lb	525.00

## Interchangeable Products

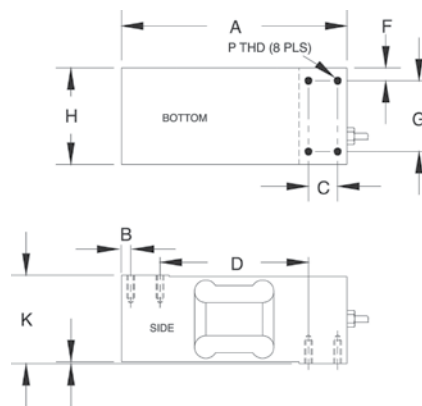
MANUFACTURER	MODEL
NCI® WeighTronics	Mark III
NCI WeighTronics	Mark IX

# 60060



Single Point, Aluminum, IP67, NTEP Certified 1:5000 Class III Single



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 2.0 mV/V	<b>Manufacturer Model Number:</b> 60060	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green.....+ Signal White .....- Signal
<b>Output Resistance:</b> 349-355 ohms	<b>Safe Overload:</b> 150% full scale	<b>Deflection at Capacity:</b> 100 lb-250 lb=0.010 in (0.25 mm), 500 lb-2,000 lb=0.006 in (0.15 mm)	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 400 nominal ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Approvals:</b>  
<b>Material/Finish:</b> Aluminum, clear anodized	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 10 ft (3.1 m)	
<b>Temperature:</b> Compensated range 14° F to 104° F (-10° C to 40° C) Operating range -40° F to 150° F (-40° C to 65° C)	<b>Max. Platform Size:</b> 30 x 30 in	<b>Cable Diameter:</b> 0.200 polyurethane jacket	
	<b>Combined Error:</b> 0.02% full scale		

## Dimensions

RATED CAPACITY	A	B	C	D	F	G	H	K	L	P
<b>lb/in</b>										
100-2,000	7.50	0.31	0.98	4.92	0.30	2.36	2.95	2.95	0.06	5/16-18-2B x 0.75 DP
<b>kg/mm</b>										
45.4-907.2	190.5	7.9	25.00	125.00	7.6	60.00	75.00	75.00	1.5	5/16-18-2B x 19 DP

## Order Information

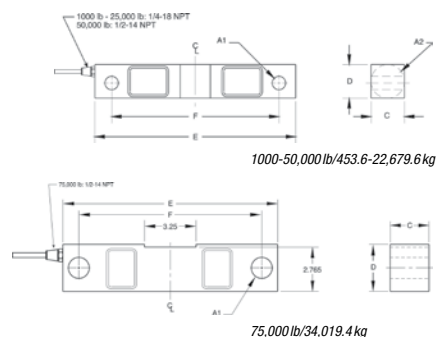
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Non-NTEP Certified</b>			
100 lb (45.4 kg)	36479	6 lb	\$350.00
150 lb (68.2 kg)	112688	6 lb	350.00
<b>NTEP Certified</b>			
250 lb (113.4 kg)	17582	6 lb	350.00
300 lb (136.4 kg)	112689	6 lb	350.00
500 lb (226.8 kg)	17583	6 lb	350.00
750 lb (340.2 kg)	17584	6 lb	350.00
1,000 lb (453.6 kg)	17585	6 lb	350.00
2,000 lb (907.2 kg)	17586	6 lb	350.00

## 65016

Double-Ended Beam, Alloy Steel, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V nominal

**Output Resistance:**

699-707 ohms

**Input Resistance:**

686-714 ohms

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**Operating range  
-40° F to 150° F (-40° C to 65° C)**Manufacturer Model Number:**

65016-XX

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

25 ft (7.6 m)

**Cable Diameter:**0.200 up to 25,000 lb,  
0.301 50,000 lb and 75,000 lb  
polyurethane jacket**Cable Color Code:**Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A1	A2	C	D	E	F	CONDUIT ADAPTER
<b>lb/in</b>							
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25	1/4-18 NPT
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50	1/4-18 NPT
35,000	0.81	2.50	1.50	2.50	8.75	7.50	1/4-18 NPT
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1/2-14 NPT
75,000	1.31	—	2.44	2.94	13.50	11.50	1/2-14 NPT
<b>kg/mm</b>							
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8	1/4-18 NPT
4,535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	1/4-18 NPT
15,876.0	—	—	—	—	—	—	—
22,679.6	33.3	76.2	62.0	74.7	342.9	292.1	1/2-14 NPT
34,019.4	33.3	—	62.0	74.7	342.9	292.1	1/2-14 NPT

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	17268	4lb	\$550.00
1,500 lb (680.4 kg)	17270	4lb	550.00
2,500 lb (1,134.0 kg)	17273	4lb	550.00
5,000 lb (2,268.0 kg)	17275	4lb	550.00
10,000 lb (4,535.9 kg)	17277	7lb	625.00
15,000 lb (6,803.9 kg)	17279	7lb	625.00
20,000 lb (9,071.9 kg)	17281	7lb	625.00
25,000 lb (11,339.8 kg)	17282	7lb	625.00
35,000 lb (15,876.0 kg)	46498	8lb	865.00
50,000 lb (22,679.6 kg)	17284	27lb	975.00
75,000 lb*	25358	27lb	975.00

\*75,000 lb capacity has a square center

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016	154
VPG Celtron®	DSR	208
VPG Revere®	5203	—

## Weigh Module Available

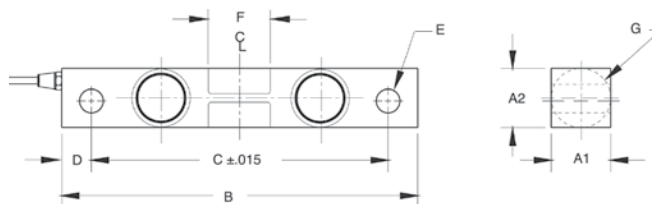
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	90, 92 and 94

# 65016W


Double-Ended Beam, Stainless Steel, Welded-Seal, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V nominal	<b>Manufacturer Model Number:</b> 65016WXX-0104W	<b>Insulation Resistance:</b> 5,000 megohms	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 699-707 ohms	<b>Safe Overload:</b> 150% full scale	<b>Seal Type:</b> Welded-seal, IP67	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 686-714 ohms	<b>Safe Sideload:</b> 100% full scale	<b>Cable Length:</b> 25 ft (7.6 m)	<b>Approvals:</b> 
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Diameter:</b> 0.200 up to 25,000 lb, 0.305 50,000 lb and 75,000 lb polyurethane jacket	
<b>Temperature:</b> Operating range -40° F to 150° F (-40° C to 65° C)	<b>Nonlinearity:</b> 0.03% full scale		
	<b>Hysteresis:</b> 0.02% full scale		

## Dimensions

RATED CAPACITY	E	G	A1	A2	B	C	CONDUIT ADAPTER	F
<b>lb/in</b>								
1,000-5,000	0.50	1.25	1.25	1.25	7.50	6.25	1/4-18 NPT	1.12
10,000-25,000	0.81	1.99	1.44	1.94	8.75	7.50	1/4-18 NPT	1.62
35,000	0.81	2.50	1.50	2.50	8.75	7.50	1/4-18 NPT	1.62
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1/2-14 NPT	3.75
75,000	1.31	—	2.44	2.94	13.50	11.50	1/2-14 NPT	3.75
<b>kg/mm</b>								
453.6-2,268.0	12.7	31.8	31.8	31.8	190.5	158.8	1/4-18 NPT	28.4
4,535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	1/4-18 NPT	41.1
15,876.0	—	—	—	—	—	—	—	41.1
22,679.6	33.3	76.2	62.0	74.7	342.9	292.1	1/2-14 NPT	95.2
34,019.4	33.3	—	62.0	74.7	342.9	292.1	1/2-14 NPT	95.2

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	36295	4 lb	\$595.00
1,500 lb (680.4 kg)	36296	4 lb	595.00
2,000 lb (907.2 kg)	36297	4 lb	595.00
2,500 lb (1,134.0 kg)	36298	4 lb	595.00
5,000 lb (2,268.0 kg)	36299	4 lb	595.00
10,000 lb (4,535.9 kg)	36300	7 lb	675.00
15,000 lb (6,803.9 kg)	36301	7 lb	675.00
20,000 lb (9,071.9 kg)	36302	7 lb	675.00
25,000 lb (11,339.8 kg)	36303	7 lb	675.00
50,000 lb (22,679.6 kg)	36304	27 lb	1,395.00
75,000 lb*	36305	27 lb	1,395.00

\*75,000 lb capacity has a square center

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016WHE	157
VPg Celtron®	DSR-HSS	209
VPg Sentsortronics®	65016WH	320

## Weigh Module Available

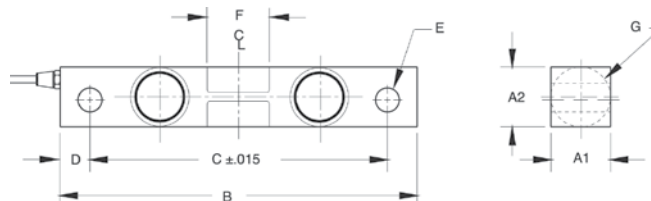
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	90, 92 and 94

# 65016WH


Double-Ended Beam, Stainless Steel, Hermetically Sealed, IP68



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V nominal	<b>Manufacturer Model Number:</b> 65016WXX-0104WH	<b>Hysteresis:</b> 0.02% full scale	<b>Cable Color Code:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 699-707 ohms	<b>Safe Overload:</b> 150% full scale	<b>Insulation Resistance:</b> 5,000 megohms	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 686-714 ohms	<b>Safe Sideload:</b> 100% full scale	<b>Seal Type:</b> Hermetically sealed, IP68	<b>Approvals:</b> 
<b>Material/Finish:</b> Stainless steel	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Length:</b> 25 ft (7.6 m)	
<b>Temperature:</b> Operating range -40° F to 150° F (-40° C to 65° C)	<b>Nonlinearity:</b> 0.03% full scale	<b>Cable Diameter:</b> 0.200 polyurethane jacket	

## Dimensions

RATED CAPACITY	A1	A2	B	C	D	E	F	G	CONDUIT ADAPTER
<b>lb/in</b>									
1,000-5,000	1.22	1.22	7.50	6.25	0.62	0.50	1.12	1.25	1/2-14 NPT
10,000-25,000	1.44	1.94	8.75	7.50	0.62	0.81	1.62	1.99	1/2-14 NPT
<b>kg/mm</b>									
453.6-2,268.0	31.0	31.0	190.5	158.8	15.7	12.7	28.4	31.8	1/2-14 NPT
4,535.9-11,339.8	36.6	49.3	222.3	190.5	15.7	20.6	41.1	50.5	1/2-14 NPT

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	65827	4 lb	\$695.00
1,500 lb (680.4 kg)	65828	4 lb	695.00
2,000 lb (907.2 kg)	65829	4 lb	695.00
2,500 lb (1,134.0 kg)	65830	4 lb	695.00
5,000 lb (2,268.0 kg)	65831	4 lb	695.00
10,000 lb (4,535.9 kg)	65832	7 lb	795.00
15,000 lb (6,803.9 kg)	65833	7 lb	795.00
20,000 lb (9,071.9 kg)	65834	7 lb	795.00
25,000 lb (11,339.8 kg)	65835	7 lb	795.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75016WHE	157
VPG SENSORTRONICS®	65016W	319

## Weigh Module Available

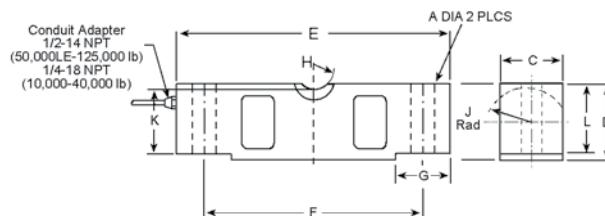
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1600 Series	90, 92 and 94

# 65058A


Double-Ended Beam, Alloy Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

<b>Full Scale Output:</b> 3.0 mV/V	<b>Manufacturer Model Number:</b> 65058AXX-1000	<b>Insulation Resistance:</b> 1,000 megohms	<b>Cable Coloring:</b> Red .....+ Excitation Black.....- Excitation Green .....+ Signal White .....- Signal
<b>Output Resistance:</b> 699-707 ohms	<b>Safe Overload:</b> 150% full scale	<b>Seal Type:</b> Environmentally sealed, IP67	<b>Warranty:</b> One-year limited warranty
<b>Input Resistance:</b> 686-714 ohms	<b>Safe Sideload:</b> 100% full scale	<b>Cable Length:</b> 35 ft (10.6 m)	<b>Approvals:</b> 
<b>Material/Finish:</b> High-alloy steel, nickel plated	<b>Rated Excitation:</b> 5-10 VDC (15 V maximum)	<b>Cable Diameter:</b> 0.200 up to 25,000 lb, 0.305 40,000 lb-125,000 lb polyurethane jacket	
<b>Temperature:</b> Compensated range 14° F to 104° F (-10° C to 40° C) Operating range -40° F to 150° F (-40° C to 65° C)	<b>Nonlinearity:</b> 0.03% full scale <b>Hysteresis:</b> 0.02% full scale		

## Dimensions

RATED CAPACITY	A	C	D	E	F	G	H	J	K	L
<b>lb/in</b>										
10,000-25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70
40,000-50,000 SE*	0.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10
50,000 LE**-75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65
100,000-125,000	1.62	2.90	3.86	15.25	12.75	3.13	1.50	1.80	3.30	3.43
<b>kg/mm</b>										
4,535.9-11,339.8	17.3	42.9	49.3	196.9	165.1	35.1	19.1	22.9	41.4	43.2
18,143.7-22,679.6 SE*	20.6	49.3	62.0	260.4	215.9	49.0	25.4	28.5	50.8	53.3
22,679.6 LE**-34,019.4	26.9	62.0	74.7	260.4	215.9	49.0	25.4	34.8	64.5	67.3
45,359.4-56,699.1	41.2	73.7	98.0	387.4	323.9	79.5	38.1	45.7	83.8	87.1

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:10,000</b>				
20,000 lb	(9,071.9 kg)	21592	7 lb	\$635.00
25,000 lb	(11,339.8 kg)	21593	7 lb	635.00
40,000 lb	(18,143.7 kg)	21608	13 lb	760.00
50,000 lb SE*	(22,679.6 kg)	26081	13 lb	845.00
50,000 lb LE**	(22,679.6 kg)	21594	21 lb	835.00
60,000 lb	(27,215.5 kg)	21595	21 lb	835.00
75,000 lb	(34,019.4 kg)	21596	21 lb	835.00
100,000 lb	(45,359.4 kg)	21609	40 lb	1,575.00
125,000 lb	(56,699.1 kg)	21610	40 lb	1,575.00
<b>Non-NTEP Certified 65058</b>				
10,000 lb	(4,535.9 kg)	17287	7 lb	615.00

\*SE refers to small envelope

\*\*LE refers to large envelope

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
60 ft cable 75,000 lb	(34,019.4 kg) 39459	26 lb	\$860.00
50 ft cable 60,000 lb***	(27,215.5 kg) 25466	23 lb	875.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75058	158
VPG Celtron®	CLB	211

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	2100HE	42
Rice Lake Weighing Systems	TSA	98
Rice Lake Weighing Systems	MVS	96

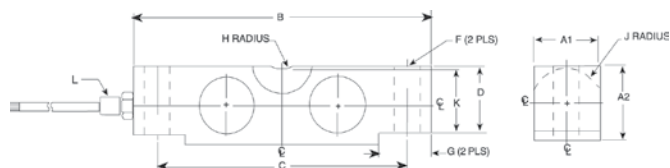
\*\*\*Has built-in lightning protection

## 65058S

Double-Ended Beam, Stainless Steel, Welded-Seal, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

699-707 ohms

**Input Resistance:**

686-714 ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**

65058SXX-1000W

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Nonlinearity:**

0.03% full scale

**Hysteresis:**

0.02% full scale

**Insulation Resistance:**

1,000 megohms

**Seal Type:**

Welded-seal, IP67

**Cable Length:**

35 ft (10.6 m)

**Cable Diameter:**

0.200 up to 25,000 lb,  
0.305 40,000 lb-100,000 lb  
polyurethane jacket

**Cable Coloring:**

Red .....+ Excitation  
Black .....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A1	A2	B	C	D	F	G	H	J	K	L
<b>lb/in</b>											
20,000-25,000	1.69	1.94	7.75	6.50	1.70	0.68	1.38	0.75	0.90	1.63	1/4-18 NPT
40,000	1.94	2.44	10.25	8.50	2.10	0.81	1.93	1.00	1.12	2.00	1/4-18 NPT
50,000-75,000	2.44	2.94	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2-14 NPT
100,000	2.44	3.44	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2-14 NPT
125,000	2.90	3.86	15.25	12.75	3.43	1.62	3.13	1.50	1.80	3.30	1/2-14 NPT
<b>kg/mm</b>											
9,072.0-11,340.0	43.0	49.3	196.9	165.1	43.2	17.3	35.1	19.1	22.9	41.4	1/4-18 NPT
34,020.0	62.0	74.7	260.4	216.0	67.3	27.0	49.0	25.4	34.8	64.5	1/2-14 NPT
45,360.0	62.0	87.4	260.4	216.0	67.3	27.0	49.0	25.4	34.8	64.5	1/2-14 NPT
56,699.1	73.66	98.04	387.35	323.85	87.12	41.15	79.50	38.10	45.72	83.82	1/2-14 NPT

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>35 ft Cable</b>			
20,000 lb	(9,072 kg)	45475	7 lb \$875.00
25,000 lb	(11,339.8 kg)	45476	7 lb 875.00
40,000 lb	(18,143.7 kg)	45477	11 lb 1,095.00
50,000 lb	(22,679.6 kg)	45478	14 lb 1,095.00
60,000 lb	(27,215.3 kg)	45479	20 lb 1,095.00
75,000 lb	(34,019.4 kg)	45480	20 lb 1,095.00
100,000 lb	(45,359.2 kg)	45481	40 lb 2,295.00
125,000 lb	(56,699 kg)	45482	40 lb 2,795.00
<b>60 ft Cable</b>			
75,000 lb	(34,019.4mkg)	48698	20 lb 1,170.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75060S	159

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	2100HE	42
Rice Lake Weighing Systems	TSA	98
Rice Lake Weighing Systems	MVS	96



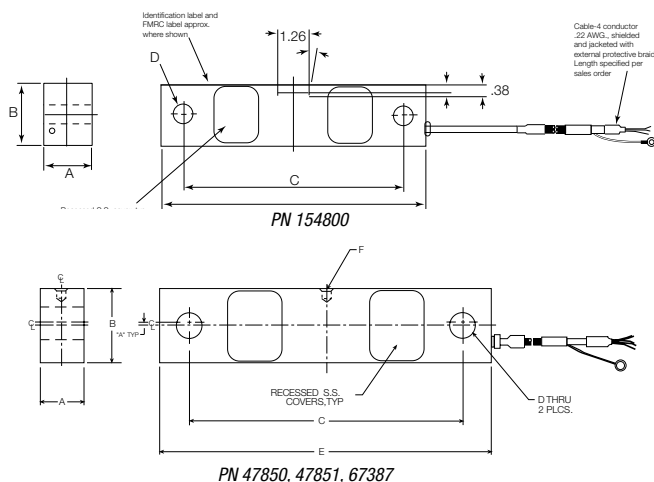
# 65061A

Double-Ended Beam, Alloy/Stainless Steel, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



PN 154800 shown

Picture is a representation of actual picture



## Specifications

**Full Scale Output:**  
3.0mmV/V

**Output Resistance:**  
699-707 ohms

**Input Resistance:**  
686-714 ohms

**Material/Finish:**  
High-alloy steel, nickel plated  
Stainless steel

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
65061AXX-1108  
65061S 50,000-1107 stainless

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Environmentally sealed  
(40,000 lb and 50,000 lb alloy)  
Welded-seal, IP67 (50,000 lb SST)

**Cable Length:**  
60 ft (18.2 m), copper overbraid

**Cable Diameter:**  
0.230 polyurethane jacket

**Cable Coloring:**

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	F
<b>lb/in</b>						
40,000	1.94	2.44	8.75	0.78	10.50	0.257 x 0.375 DP
50,000	1.94	2.44	8.75	0.78	10.50	0.257 x 0.375 DP
<b>kg/mm</b>						
18,143.7	49.3	62.0	222.3	19.8	266.7	6.5 x 9.5 DP
22,679.6	49.3	62.0	222.3	19.8	266.7	6.5 x 9.5 DP

## 65061A Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
40,000 lb (18,143.7 kg)	47850	18 lb	\$1,195.00
50,000 lb (22,679.6 kg)	47851	18 lb	1,195.00
50,000 lb** (22,679.6 kg)	67387	18 lb	1,330.00
50,000 lb*** (22,679.6 kg)	154800	18 lb	1,195.00
<b>Mounting Assembly Accessories*</b>			
Load Button	25524	—	37.00
Load Pin	50807	—	73.00
Bearing Screw	44837	—	99.00
Bushing	50748	—	29.00
Load Cell Stand	50767	—	245.00
Support Pin	50747	—	26.00
Washer	15180	—	2.30
Cotter Pin	15244	—	1.50
Load Button (use with 154800)***	154802	—	35.00

\*See Rice Lake Weighing Systems Mechanical Scale Parts catalog for parts diagram

\*\*Stainless steel

\*\*\*Counterbored hole for load button

## Interchangeable Products

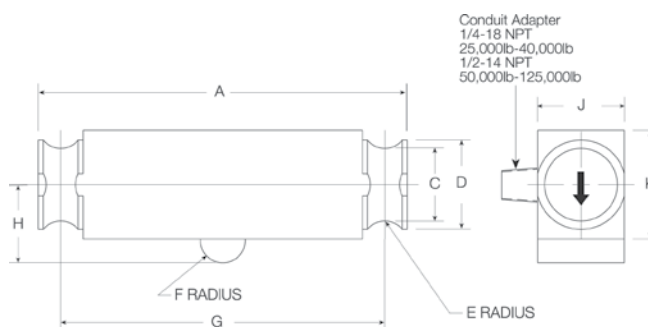
MANUFACTURER	MODEL
Fairbanks®	Rodan 90814-40 k
Fairbanks	Rodan 91088-50 k

# 65040A

Double-Ended Beam, Alloy Steel, NTEP Certified Class IIIL Multiple Cell 1:6000/1:10,000, IP67



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

686-714 ohms

### Input Resistance:

699-707 ohms

### Material/Finish:

High-alloy steel, nickel plated

### Temperature:

Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

### Manufacturer Model Number:

65040AXX-6000 (1:6000)  
65040AXX-1000 (1:10,000)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Nonlinearity:

0.03% full scale

### Hysteresis:

0.02% full scale

### Insulation Resistance:

1,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

35 ft (10.6 m)

### Cable Diameter:

0.200-25,000 lb,  
0.305 diameter above 25,000 lb  
polyurethane jacket

### Cable Coloring:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	C	D	E	F	G	H	J	K
<b>lb/in</b>									
25,000-50,000 SE*	8.25	1.63	2.00	0.50	0.50	7.25	1.75	1.94	2.44
50,000-75,000	11.50	1.70	2.20	0.75	1.00	10.00	2.00	1.94	2.94
100,000-125,000	14.50	2.44	3.20	1.00	1.50	12.50	2.75	2.90	3.86
<b>kg/mm</b>									
11,339.8-22,679.6 SE*	209.6	41.4	50.8	12.7	12.7	184.2	44.5	49.3	62.0
22,679.6-34,019.4	292.1	43.2	55.9	19.1	25.4	254.0	50.8	49.3	74.7
45,359.2-56,699.1	368.3	62.0	81.3	25.4	38.1	317.5	69.9	73.7	98.0

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>NTEP Certified 1:10,000</b>			
25,000 lb	(11,339.8 kg)	21598	— \$635.00
40,000 lb	(18,143.7 kg)	21599	— 760.00
50,000 lb SE*	(22,679.6 kg)	69562	— 760.00
50,000 lb	(22,679.6 kg)	21600	— 835.00
60,000 lb	(27,215.3 kg)	21601	— 835.00
75,000 lb	(34,019.4 kg)	21602	— 835.00
100,000 lb	(45,359.2 kg)	21603	— 1,575.00
125,000 lb	(56,699.1 kg)	21604	— 1,575.00

\*SE refers to small envelope

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75040	162
Thurman®	TSC 840	—
VPG Celtron®	DLB	212

## Weigh Module Available

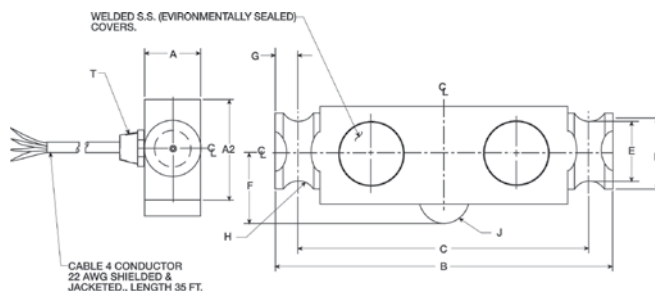
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Translink™	100

# 65040S

Double-Ended Beam, Stainless Steel, Welded-Seal, IP68, NTEP Certified 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
3.0 mV/V

**Output Resistance:**  
699-707 ohms

**Input Resistance:**  
686-714 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Model Number:**  
65040SXX-1000W

**Safe Overload:**  
150% full scale

**Safe Sideload:**  
100% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Nonlinearity:**  
0.03% full scale

**Hysteresis:**  
0.02% full scale

**Insulation Resistance:**  
5,000 megohms

**Seal Type:**  
Welded-seal, IP68

**Cable Length:**  
35 ft (10.6 m)

**Cable Diameter:**  
0.200 25,000 lb,  
0.301 40,000 lb-75,000 lb  
polyurethane jacket

### Cable Coloring:

Red .....+ Excitation  
Black.....- Excitation  
Green .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	A2	B	C	D	E	F	G	H	J	T
<b>lb/in</b>											
25,000-40,000	1.94	2.44	8.25	7.25	2.00	1.63	1.75	.50	.50	.50	1/4-18 NPT
50,000-75,000	1.94	2.94	11.50	10.00	2.20	1.70	2.00	.75	.75	1.00	1/4-18 NPT
<b>kg/mm</b>											
11,340-18,144	49.2	62.0	209.6	184.2	50.8	41.4	44.5	12.7	12.7	12.7	1/4-18 NPT
22,680-34,020	49.2	74.7	292.1	254.0	55.9	43.2	50.8	19.1	19.1	25.4	1/4-18 NPT

## 65040S Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
25,000 lb	(11,339.8 kg)	45467	15 lb	\$765.00
40,000 lb	(18,143.7 kg)	45468	15 lb	915.00
50,000 lb	(22,679.6 kg)	45469	25 lb	995.00
60,000 lb	(27,215.5 kg)	45470	25 lb	995.00
75,000 lb	(34,019.4 kg)	45471	25 lb	995.00

## Interchangeable Products

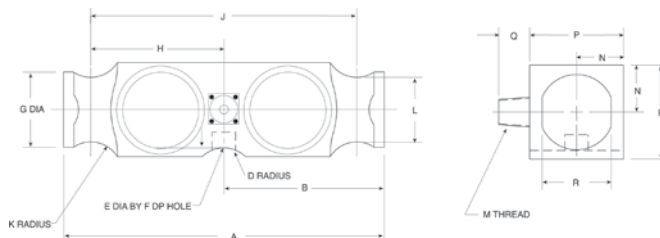
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL75040	162
VPG Sensortronics®	65040A	324

# 65040A-1127W

Double-Ended Beam, Alloy Steel, Welded-Seal, IP67, NTEP Certified 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

686-714 ohms

### Input Resistance:

699-707 ohms

### Material/Finish:

High-alloy steel

### Temperature:

Compensated range

14° F to 104° F (-10° C to 40° C)

Operating range

-40° F to 150° F (-40° C to 65° C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Non-repeatability:

0.01% full scale

### Combined Error:

0.03% full scale

### Insulation Resistance:

1,000 megohms

### Deflection at Capacity:

50,000 lb=0.018 in (0.5 mm),

65,000 lb=0.022 in (0.6 mm),

100,000 lb=0.034 in (0.9 mm)

### Seal Type:

Welded-seal strain gauge\*, IP67

### Cable Length:

40 ft (12.2 m)

### Cable Diameter:

0.305 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation

Black.....- Excitation

Green .....+ Signal

White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
<b>lb/in</b>																
50,000-65,000	10.25	5.12	0.28	1.00	0.75	0.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
100,000	10.25	5.12	0.28	1.00	—	—	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
<b>kg/mm</b>																
22,679.6-29,483.5	260.4	130.1	7.1	25.4	19.1	19.8	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9
45,359.2	260.4	130.1	7.1	25.4	—	—	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9

## Order Information

LOAD RATING		PART#	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,679.6 kg)	66080	18 lb	\$995.00
65,000 lb	(29,483.5 kg)	87162	20 lb	995.00
100,000 lb	(45,359.2 kg)	87163	20 lb	1,325.00

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Revere®	5223	284
Artech®	80210	—
Thurman®	TSC 800	—
Rice Lake Weighing Systems	RL75223	160

## Weigh Module Available

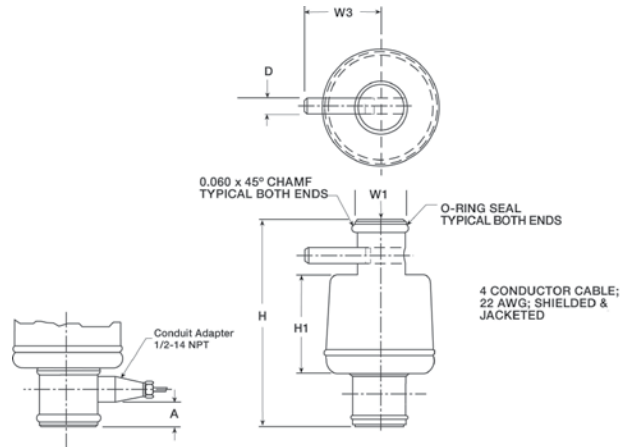
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	Translink™	100

# 65114

Rocker Column, Stainless Steel, Hermetically Sealed, IP68, NTEP Certified 1:10,000



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V nominal

**Output Resistance:**  
1,000 ( $\pm 10$  ohms)

**Input Resistance:**  
1,000 ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14° F to 104° F (-10° C to 40° C)  
Operating range  
-40° F to 150° F (-40° C to 65° C)

**Manufacturer Part Number:**  
65114SXX-1000H

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Combined Error:**  
0.03% full scale

**Insulation Resistance:**  
1,000 megohms

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
35 ft (10.6 m)

**Cable Diameter:**  
0.305 polyurethane jacket

### Cable Color Code:

Red ..... + Excitation  
Black..... - Excitation  
Green ..... + Signal  
White ..... - Signal

**Warranty:**  
Two-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	D	H	H1	H2	W1	W2	W3
<b>lb/in</b>								
50,000	0.62	0.38	6.00	2.82	1.59	1.46	1.46	2.5
50,000 LE*	0.62	0.38	7.56	2.82	1.59	1.46	1.46	2.5
<b>kg/mm</b>								
22,680.0	15.6	9.7	152.4	71.6	40.4	37.08	37.1	63.5
22,680.0	15.6	9.7	192.0	71.6	40.4	37.08	37.1	63.5

## 65114 Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50,000 lb	(22,680.0 kg) 46497	5 lb	\$795.00
50,000 lb LE*	(22,680.0 kg) 47952	6 lb	795.00
Replacement anti-rotational pins	116181	—	5.00
Replacement O-ring	92988	—	1.00

\*LE refers to large envelope

## Interchangeable Products

MANUFACTURER	MODEL
Fairbanks®	63951

## This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly across the page, typical of notebook paper. The lines are thin and extend from the left edge to the right edge. There is no handwriting or other markings on the page.

# Table of Contents

## S-Beams

Page 333

### 620, Stainless Steel



Ideally suited for harsh environments, lever conversions, hopper/tanks and vibratory feeders, general purpose weighing and force measurement applications. The stainless steel, welded cavity design provides protection against water and corrosive materials. Capacities range from 1,102.3 lb to 11,023.1 lb (500 kg to 5,000 kg). Complete with 16.4 ft (5m) of load cell cable.



## Single-Ended

Page 334

### 3411/3421, Alloy Steel and Stainless Steel



This family of high-quality, single-ended beams is available in both alloy and stainless steel with NTEP Certification. These products are ideal for low-profile platforms, pallet truck weighers, tanks and silos. The durable stainless steel product offering is new and provides a solid choice for more severe weighing applications. Both versions are available in capacities ranging from 1,000 lb to 10,000 lb. (453.6 kg to 4535.9 kg). A standard 10 ft (3m) of load cell cable is provided.



Page 335

### 3510lb NTEP Certified, Stainless Steel



Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities range from 1,000 lb to 4,000 lb (453.6 kg to 1,814.4 kg).



Page 336

### 3510kg OIML, Stainless Steel



The industry's only 6000 division OIML-approved single-ended beam. Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities range from 1,102.3 lb to 11,023.1 lb (500 kg to 5,000 kg).



Page 337

### 355, Stainless Steel



Welded stainless steel construction, welded sealing and polyurethane shielded cable enables the 355 to function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electromechanical conversions and general-purpose weighing applications. Capacities range from 11.0 lb to 1,102.3 lb (5 kg to 500 kg).



## Single Point

Page 338

### 1022, Aluminum



Very low-profile, single-point load cell designed for direct mounting in low-cost platforms. Anodized aluminum construction is combined with two-beam machined technology to provide an affordable load cell option. Capacities range from 6.6 lb to 77.1 lb (3 kg to 35 kg). Complete with 19.7 in (500mm) of load cell cable.



Page 339

### 1010, Aluminum, Potted/Unpotted





















Off-center loading load cell designed for direct mounting of a weighing platform and simplifying construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities range from 6.6 lb to 196.4 lb (3 kg to 90 kg).





# Table of Contents

## Single Points

<b>Page 340</b>	<b>1030, Aluminum</b>	 <p>This high-performance product is the standard in many of today's postal or price computing scales. This very low-profile, three-beam designed single point is insensitive to off-center loads, which is a critical element in providing accurate results. The 1030 is also coated with a unique humidity-resistant protective coating to assure long-term stability in harsh environments and extreme temperatures. This model is available in capacities ranging from 6.6lb to 33.1 lb (3kg to 15 kg), and comes standard with a 3.3ft (1 m) of load cell cable.</p>	 
<b>Page 341</b>	<b>1042, Aluminum</b>	 <p>A lower-profile single point for platform weighing. This model is constructed of aluminum and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. Capacities range from 2.2lb to 220.5lb (1 kg to 100kg). Complete with 10 ft (3.1 m) of load cell cable.</p>	 
<b>Page 342</b>	<b>1042S, Aluminum</b>	 <p>A lower-profile, single-point load cell for platform weighing, this two beam, aluminum-constructed design offers high immunity to side forces and is coated to provide humidity resistance. NTEP Certified to 7,500 divisions. Capacities range from 44.1 lb to 220.5 lb (20 kg to 100kg). Complete with 10 ft (3.1 m) of load cell cable.</p>	  
<b>Page 343</b>	<b>1040, Aluminum, Potted/Unpotted</b>	 <p>Low-profile, off-center loading load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities range from 11.0lb to 220.5lb (5kg to 100kg).</p>	   
<b>Page 344</b>	<b>1130, Stainless Steel</b>	 <p>The Vishay Tedea-Huntleigh 1130 is a stainless steel, single-point load cell that is designed for high performance in harsh environments. This product is primarily designed for platform weighing but is cost-effective to make it an appropriate selection for numerous applications. Capacities range from 15.4 lb to 220.5lb (7 kg to 100kg), and each unit is provided complete with 3.3ft (1 m) of load cell cable.</p>	 
<b>Page 345</b>	<b>1140, Stainless Steel, Potted</b>	 <p>Low-profile, off-center loading load cell designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provide long-term stability, even in harsh environments. Load cells with potted cavities are available for improved performance in damp environments. Capacities range from 33.1 lb to 330.7lb (15kg to 150kg).</p>	 
<b>Page 346</b>	<b>1240, Stainless Steel</b>	 <p>The 1240 is a low-profile single point that is compact in design, considering the 440.9lb and 551.2 lb (200kg and 250kg) capacity range. This cell is ideally suited for light-industrial or people-weighing applications where overall deck height is a concern. The three-beam design makes the load cell less likely to be impacted by side forces and mounting imperfections. It features stainless steel construction and humidity-resistant coating for use in harsh environments with extreme temperatures. Each unit is provided with a standard 3.3ft (1 m) cable.</p>	

# Table of Contents

## Single Points

Page 347

### 1142, Stainless Steel



It's small physical size, combined with high accuracy and low cost make the VPG 1142 the perfect selection for new or retrofit scales. It's stainless steel construction along with a humidity-resistant protective coating helps ensure stable operation in damp environments. The VPG 1142 is NTEP Certified and is available with OIML approval. It comes with 10 ft of standard load cell cable. Capacities range from 10kg to 150 kg.



Page 348

### 1241, Aluminum



The 1241 combines a low profile, three-beam off-center design for direct mounting to weighing platforms, hanging scales, and other eccentric loading applications. The load cell features four mounting holes instead of the traditional two, to provide additional loading stability. The 1241 is constructed of aluminum, and sealed using a unique humidity-resistant protective coating to assure durability and long life.



Page 349

### 1260, Aluminum



High-capacity, off-center loading aluminum single-point. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities range from 110.2lb to 1,399.9lb (50 kg to 635 kg). Complete with 10 ft (3.1 m) of load cell cable.



Page 350

### 1260S, Aluminum



This single-point, off-center loading, aluminum load cell is designed for high-capacity applications and harsh environments. NTEP Certified to 10,000 divisions. Capacities range from 165.4lb to 1,399.9lb (75 kg to 635 kg). Complete with 10 ft (3.1 m) of load cell cable.



Page 351

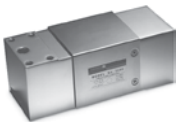
### 1263, Aluminum



The rugged construction of the VPG 1263 offers high immunity to side loads making it suitable for a wide arrange of applications like bench scales and process weighing. It's special humidity resistant protective coating helps assure long-term stability over the entire compensated range. It is constructed of high quality aluminum and comes standard with 1.5 meters of load cell cable. The 1263 is available in capacities from 50kg to 635kg and OIML approved.

Page 352

### 1250, Aluminum, Potted



High-capacity off-center loading load cell accurately weighs loads from 110.2lb to 2,205.0lb (50 lb to 1,000kg). Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments.



Page 353

### 1320, Aluminum



Model 1320 is a high-capacity single-point load cell. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars, hanging scales and other types of weighing devices. Individually adjusted to eliminate corner errors. Capacities range from 2,204.6lb to 4,409.2lb (1,000 kg to 2,000kg).



# Table of Contents

## Page 354

### 1510, Stainless Steel



The 1510 is a stainless steel welded-seal cell ideally suited for washdown applications. Capacities range from 100kg to 500kg.



## Page 355

### 240, Alloy Steel/Stainless Steel, Fluid Damped



These load cells decrease weighing time and improve weighing accuracy in high-speed weighing applications. Since damping also protects the cells from shock and vibration, the load cell can endure harsh conditions, such as those encountered in repeated shock-loading applications. This also enables damped load cells to last longer than undamped load cells in any application. The cells are sealed, protecting them in washdown situations. Capacities range from 4.4lb to 110.2lb (2kg to 50kg).



Available on request

## Page 356

### 1430, Stainless Steel



The 1430 is uniquely designed to reduce weighing errors resulting from dynamic forces that occur on rotary liquid filling machines. The stainless steel housing offers protection in wash down or caustic environments. The unique design also protects against side loads which can occur with bottle jams in filling applications.

## Page 357

### 9010, Aluminum, Fluid Damped



Model 9010 is a self-contained weighing module for use in repeated shock-loading applications or where fast weighing and settling times are required. Each is custom manufactured per specific application requirements. Capacities range from 5.5lb to 110.2lb (3kg to 50kg). See Model 9010 Application Definition Form at the back of this section.



Available on request

## Planar Beam

## Page 358

### 380, Aluminum



Model 380 is a very low profile planar beam design, allowing direct mounting in low profile platform scales. The range of capacities and low profile makes model 380 most suitable for use in a wide range of applications.



## Compression Canister

## Page 359

### 220, Stainless Steel



Model 220 is a low profile bending ring load cell designed for high capacity weighing applications, including weighbridges, tanks, silos and high capacity platform scales as well as force measurement. OIML and NTEP Certified.



## Page 360

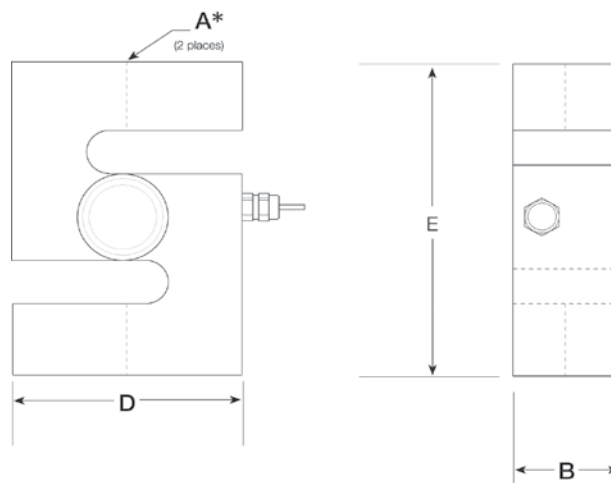
### 120, Stainless Steel



The model 120 is a stainless steel welded seal canister offered in capacities from 20t-50t and includes load cup and load pin.



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**
350 ( $\pm 3$ ) ohms
**Input Resistance:**
400 ( $\pm 20$ ) ohms
**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.02% full scale

**Insulation Resistance:**

1,000 megohms

**Seal Type:**

Welded seal, IP68

**Cable Length:**

16.4 ft (5 m)

**Cable Diameter:**

0.220 polyurethane jacket

**Cable Color Code:**

Blue .....+ Excitation  
Black.....- Excitation  
Green .....+ Sense  
Gray .....- Sense  
White .....+ Signal  
Red .....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**
Available  
upon  
requestAvailable  
upon  
request

## Dimensions

RATED CAPACITY	A*	B	C	D	E
<b>lb/in</b>					
1,102.3-2,204.6	2.88	1.32	N/A	2.88	3.70
4,409.2	2.88	1.32	N/A	2.88	3.70
11,023.1	4.12	1.86	N/A	4.12	4.94
<b>kg/mm</b>					
500-1,000	1/2-20 UNF	33.5	N/A	73.2	94.0
2,000	3/4-16 UNF	33.5	N/A	73.2	94.0
5,000	1-12 UNF	47.2	N/A	104.6	125.5

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
500 kg	(1,102.3 lb)	36389	4 lb	\$650.00
1,000 kg	(2,204.6 lb)	36390	4 lb	650.00
2,000 kg	(4,409.2 lb)	36391	4 lb	650.00
5,000 kg	(11,023.1 lb)	36392	5 lb	815.00

\*Metric threads available

## Weigh Module Available

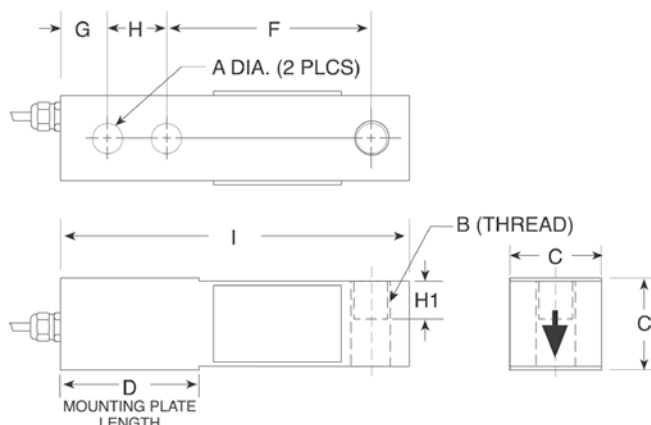
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	ITCM Isolated Tension Cell Mount	46

## 3411/3421

Single-Ended Beam, Alloy &amp; Stainless Steel, NTEP Certified 1:3000 Single Cell, 1:5000, Multiple Cell, Class III, IP67



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

3.0 mV/V

**Output Resistance:**

351 (± 5) ohms

**Input Resistance:**

385 (± 10) ohms

**Material/Finish:**

High-alloy steel, nickel plated

**Temperature:**

Operating range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.03% full scale

**Insulation Resistance:**

2,000 megohms

**Deflection at Capacity:**

1,000 lb-10,000 lb=0.015 in (.4 mm)

**Seal Type:**

Environmentally sealed, IP67

**Cable Length:**

10 ft/3.1 m

**Cable Diameter:**

0.200 PVC jacket

**Cable Color Code:**

Red .....+ Excitation  
Black.....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Green .....+ Signal  
White .....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**

Available upon request  
Available upon request

## Dimensions

RATED CAPACITY	A	B	C	D	F	G	H	H1	I
<b>lb/in</b>									
1,000-4,000	0.53	1/2-20 UNF	1.24	2.25	3.00	0.63	1.00	0.60	5.12
5,000-10,000	0.78	3/4-16 UNF-2B	1.49	3.00	3.75	0.75	1.50	0.75	6.75
<b>kg/mm</b>									
453.6-1,814.4	13.5	1/2-20 UNF	30.5	33.9	76.2	16.00	25.4	15.2	130.00
2,268.0-4,535.9	19.8	3/4-16 UNF-2B	37.8	76.2	95.3	19.1	35.6	19.1	171.5

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Alloy Steel</b>			
1,000 lb (453.6 kg)	29903	3 lb	\$295.00
2,500 lb (1,134.0 kg)	29904	3 lb	295.00
4,000 lb (1,814.4 kg)	29905	3 lb	295.00
5,000 lb (2,268.0 kg)	29906	4 lb	375.00
10,000 lb (4,535.9 kg)	29907	4 lb	375.00
<b>Stainless Steel</b>			
1,000 lb (453.6 kg)	47871	3 lb	350.00
2,500 lb (1,134.0 kg)	47872	3 lb	350.00
4,000 lb (1,814.4 kg)	47873	3 lb	350.00
5,000 lb (2,268.0 kg)	47874	4 lb	420.00
10,000 lb (4,535.9 kg)	47875	4 lb	445.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL30000	127
VPG Revere®	5123	273
Rice Lake Weighing Systems	RL39123*	130
VPG Revere	9123*	274

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL50210	52
Rice Lake Weighing Systems	RL1800 Series	62

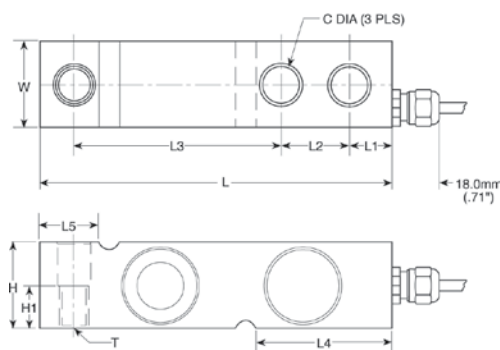
\*Stainless steel

## 3510 NTEP Certified

Single-Ended, Stainless, Welded-Seal\*, IP68, NTEP Certified 1:3000 Single Cell, 1:5000 Multiple Cell, Class III



Picture is a representation of actual product



## Specifications

### Full Scale Output:

3.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Safe Sideload:

100% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

1,000 megohms

### Deflection at Capacity:

1,000 lb-4,000 lb=0.015 in (0.4 mm)

### Seal Type:

Welded-seal\*, IP68

### Cable Length:

16.4 ft (5 m)

### Cable Diameter:

0.220 polyurethane jacket

### Cable Color Code:

Red .....+ Excitation  
Black.....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Green .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	C	C1	H	H1	L	L1	L2	L3	L4	L5	T	W
<b>lb/in</b>												
1,000-4,000	0.53	0.53	1.26	0.63	5.12	0.62	1.00	3.00	1.97	0.91	1/2-20 UNF-2B	1.26
<b>kg/mm</b>												
453.6-1,814.4	13.5	13.5	32.00	16.00	130.00	15.8	25.4	76.2	50.00	23.1	1/2-20 UNF-2B	32.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 lb (453.6 kg)	36458	3 lb	\$485.00
1,500 lb (680.4 kg)	36459	3 lb	485.00
2,500 lb (1134.0 kg)	36460	3 lb	485.00
4,000 lb (1814.4 kg)	36461	3 lb	485.00

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Sensortronics®	65083	312
VPG Celtron®	SQB-HSS	203

## Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	1700HE	34

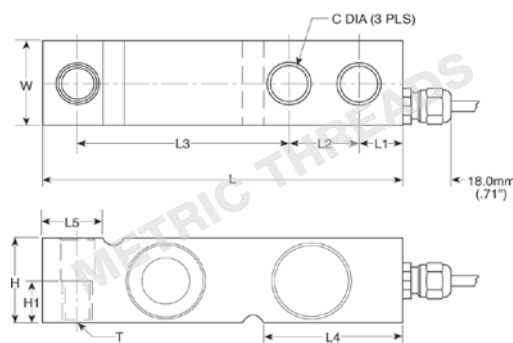


## 3510 Metric OIML

Single-Ended Beam, Stainless Steel, Welded-Seal, IP68, OIML C3



Picture is a representation of actual product



### Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**

350 ( $\pm 3$ ) ohms

**Input Resistance:**

380 ( $\pm 10$ ) ohms

**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

150% full scale

**Safe Sideload:**

100% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.02% full scale

**Insulation Resistance:**

2,000 megohms

**Deflection at Capacity:**

500 kg-5,000 kg=0.015 in (0.4 mm)

**Seal Type:**

Welded-seal\*, IP68

**Cable Length:**

16.4 ft (5 m)

**Cable Diameter:**

0.220 polyurethane jacket

**Cable Color Code:**

Blue .....+ Excitation  
Black.....- Excitation  
Green.....+ Sense  
Grey.....- Sense  
White.....+ Signal  
Red.....- Signal

**Warranty:**

One-year limited warranty

**Approvals:**


### Dimensions

RATED CAPACITY	C	C1	H	H1	L	L1	L2	L3	L4	L5	T	W
<b>kg/mm</b>												
500-2,000	13.5	13.5	32.00	16.00	130.0	15.8	25.4	76.2	50.5	23.5	M12 x 1.75 Thrd.	32.00
5,000	20.5	20.5	48.00	—	171.5	19.00	38.1	95.3	70.00	37.00	—	36.5
<b>lb/in</b>												
1,102.3-4,409.2	0.53	0.53	1.26	0.63	5.12	0.62	1.00	3.00	1.99	0.93	M12 x 1.75 Thrd.	1.26
11,023.1	0.80	0.80	1.89	—	6.75	0.75	1.50	3.75	2.76	1.46	—	1.44

### Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
500 kg	(1,102.3 lb)	30161	3 lb	\$485.00
1,000 kg	(2,204.6 lb)	30162	3 lb	485.00
2,000 kg	(4,409.2 lb)	30163	3 lb	485.00
5,000 kg	11,023.1 lb)	30164	5 lb	555.00

### Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLHT0	138

### Weigh Module Available

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	1700HE	34

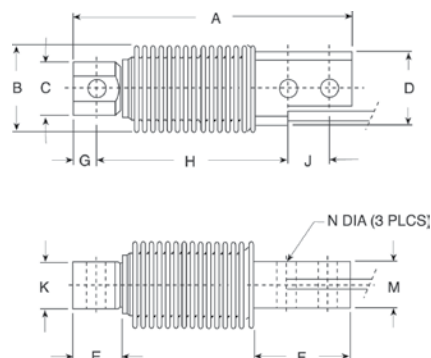


355

Single-Ended, Stainless Welded-Seal, IP68, NTEP Certified 1:4000 Single Cell, 1:5000, Multiple Cell, Class III



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

355 ( $\pm 5$ ) ohms

### Input Resistance:

380 ( $\pm 10$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2000 megohms

### Deflection at Capacity:

5 kg-500 kg=0.015 in (0.4 mm)

### Seal Type:

Welded seal, IP68

### Cable Length:

10 ft (3 m)

### Cable Diameter:

0.220 polyurethane jacket

### Cable Color Code:

Blue .....+ Excitation  
Black .....- Excitation  
White .....+ Signal  
Red .....- Signal  
Green .....+ Sense  
Gray .....- Sense

### Warranty:

One-year limited warranty

### Approvals:



Available upon request  
Available upon request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	M	N
kg/mm												
5-500	120.00	40.00	23.00	32.00	20.5	45.5	10.00	82.00	18.00	20.00	20.00	8.200
lb/in												
11.0-1,102.3	4.72	1.61	0.91	1.26	0.81	1.79	0.39	3.23	0.71	0.79	0.79	0.32

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
5 kg	(11.0 lb)	30165	2 lb	\$525.00
10 kg	(22.0 lb)	30166	2 lb	525.00
20 kg	(44.1 lb)	30167	2 lb	525.00
50 kg	(110.2 lb)	30168	2 lb	525.00
100 kg	(220.5 lb)	30169	2 lb	525.00
200 kg	(440.9 lb)	30170	2 lb	525.00
250 kg	(551.2 lb)	30171	2 lb	525.00
500 kg	(1,102.3 lb)	36463	2 lb	525.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RLHBB	146
VPG Revere®	SHB	280
VPG Celtron®	HBB	206
HBM®	Z6	251

## Weigh Module Available

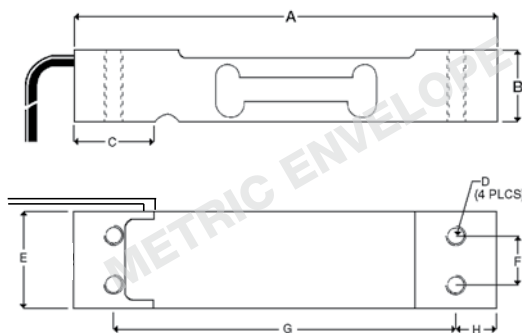
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	1700HE	34

1022

Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

1.5 ft (0.5 m)

10 ft (3 m)

### Cable Diameter:

0.140 PVC jacket

### Cable Color Code:

Green ..... + Excitation

Black ..... - Excitation

Red ..... + Signal

White ..... - Signal

### Platform Size:

13.78 x 13.78 in

### Warranty:

One-year limited warranty

### Approvals:



Available upon request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H
kg/mm								
3-7	130.00	22.00	25.00	M6 x 1.00	25.4	15.00	106.00	12.00
10-30	130.00	22.00	25.00	M6 x 1.00	30.00	15.00	106.00	12.00
35	130.00	22.00	25.00	M6 x 1.00	40.00	15.00	106.00	12.00
lb/in								
6.6-15.4	5.12	0.87	0.99	M6 x 1.0	1.00	0.59	4.17	0.47
22.0-66.2	5.12	0.87	0.99	M6 x 1.0	1.18	0.59	4.17	0.47
77.2	5.12	0.87	0.99	M6 x 1.0	1.57	0.59	4.17	0.47

## Order Information: 1.5 ft Cables

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3 kg (6.6 lb)	41135	2 lb	\$140.00
5 kg (11.0 lb)	41136	2 lb	140.00
7 kg (15.4 lb)	41137	2 lb	140.00
10 kg (22.0 lb)	41138	2 lb	140.00
15 kg (33.1 lb)	41139	2 lb	140.00
20 kg (44.1 lb)	41140	2 lb	140.00
30 kg (66.1 lb)	41141	2 lb	140.00
35 kg (77.2 lb)	41142	2 lb	140.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1521A	173
VPG Celtron®	LPS	213
VPG BLH®	C2G1	—
NMB®	C2G1	—

## Order Information: OIML Version

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22.0 lb)	150770	2 lb	\$140.00
15 kg (33.1 lb)	150771	2 lb	140.00
20 kg (44.1 lb)	150772	2 lb	140.00
30 kg (66.1 lb)	150773	2 lb	140.00

## Order Information: 10ft cables

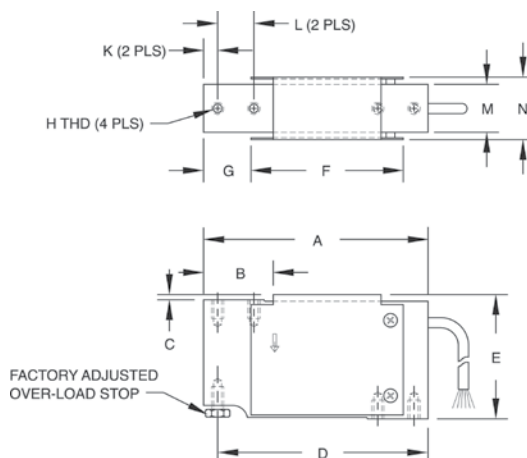
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3 kg (6.6 lb)	132269	2 lb	\$140.00
5 kg (11.0 lb)	132270	2 lb	140.00
7 kg (15.4 lb)	132271	2 lb	140.00
10 kg (22.0 lb)	132272	2 lb	140.00
15 kg (33.1 lb)	132273	2 lb	140.00
20 kg (44.1 lb)	132274	2 lb	140.00
30 kg (66.1 lb)	132275	2 lb	140.00
35 kg (77.2 lb)	132276	2 lb	140.00

# 1010

Potted & Unpotted Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% at center of loading point,  
full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Deflection at Capacity:

3 kg-90 kg=0.015 in (0.4 mm)

### Seal Type:

Potted and unpotted models

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.200 PVC jacket

### Cable Color Code:

Green.....+ Excitation  
Black.....- Excitation  
Blue.....+ Sense  
Brown.....- Sense  
Red.....+ Signal  
White.....- Signal

### Platform Size:

15.75 x 15.75 in

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	K	L	M	N
<b>kg/mm</b>												
3-90	118.00	34.00	3.00	110.5	66.00	80.00	25.00	1/4-20 UNC x 13 DP	7.5	19.05	25.4	33.5
<b>lb/in</b>												
6.6-198.4	4.65	1.34	0.12	4.35	2.60	3.15	0.98	1/4-20 UNC x 0.5 DP	0.30	0.75	1.00	1.32

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>Potted, NTEP Certified 1:5000</b>				
10 kg	(22.1 lb)	33727	2 lb	\$195.00
15 kg	(33.1 lb)	33728	2 lb	195.00
20 kg	(44.1 lb)	33729	2 lb	195.00
30 kg	(66.1 lb)	33730	2 lb	195.00
50 kg	(110.2 lb)	33731	2 lb	195.00
<b>Potted, Non-NTEP Certified</b>				
5 kg	(11.0 lb)	17462	2 lb	195.00
7 kg	(15.4 lb)	17463	2 lb	195.00
10 kg	(22.1 lb)	17464	2 lb	195.00
15 kg	(33.1 lb)	17465	2 lb	195.00
20 kg	(44.1 lb)	17482	2 lb	195.00
30 kg	(66.1 lb)	17475	2 lb	195.00
50 kg	(110.2 lb)	17476	2 lb	195.00
90 kg	(198.4 lb)	17471	2 lb	195.00

Model 1015 is available as a special request

## Order Information

LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
<b>Unpotted, NTEP Certified 1:5000</b>				
5 kg	(11.0 lb)	33732	2 lb	\$180.00
7 kg	(15.4 lb)	33733	2 lb	180.00
<b>Unpotted, Non-NTEP Certified</b>				
3 kg	(6.6 lb)	17481	1.2 lb	180.00

## Interchangeable Products

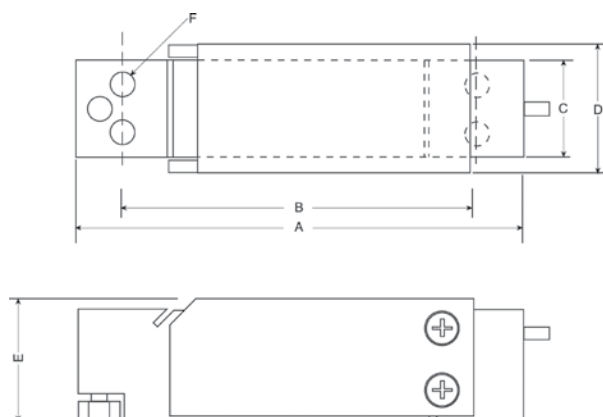
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1010	174

## 1030

Single Point, Aluminum, OIML C2.5



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**350 ( $\pm 3$ ) ohms**Input Resistance:**415 ( $\pm 15$ ) ohms**Material/Finish:**

Anodized aluminum

**Temperature:**Compensated range  
-40°F to 150°F (-40°C to 65°C)**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.02% full scale

**Insulation Resistance:**

5,000 megohms

**Deflection at Capacity:**

3 kg-15 kg=0.015 in (0.4 mm)

**Seal Type:**

Environmentally sealed

**Cable Length:**

3.3 ft (1 m)

**Cable Diameter:**

0.200 PVC jacket

**Cable Color Code:**

Green .....+ Excitation  
 Black .....- Excitation  
 Blue .....+ Sense  
 Brown .....- Sense  
 Red .....+ Signal  
 White .....- Signal

**Platform Size:**

13.78 x 13.78 in

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E	F
<b>kg/mm</b>						
3-15	117.9	93.7	25.4	33.3	32.5	1/4-20 UNC x 10 DP
<b>lb/in</b>						
6.6-33.1	4.64	3.69	1.00	1.31	1.28	1/4-20 UNC x 0.39 DP

## Order Information

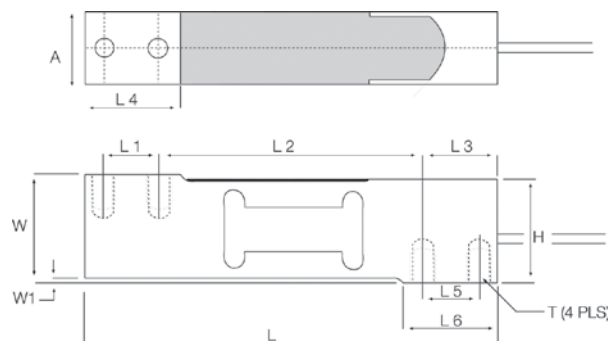
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3 kg (6.6 lb)	47882	1 lb	\$265.00
5 kg (11.0 lb)	47883	1 lb	265.00
7 kg (15.4 lb)	47884	1 lb	265.00
10 kg (22.1 lb)	47885	1 lb	265.00
15 kg (33.1 lb)	47886	1 lb	265.00

# 1042

Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
415 ( $\pm 15$ ) ohms

**Material/Finish:**  
Aluminum

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.02% full scale

**Deflection at Capacity:**  
1 kg-100 kg=0.015 in (0.4 mm)

**Insulation Resistance:**  
2,000 megohms

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
10 ft (3.1 m)

**Cable Diameter:**  
0.200 PVC jacket

**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

**Platform Size:**  
16 x 16 in

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
<b>kg/mm</b>												
1-30	20.00	39.00	150.00	19.00	100.00	25.00	34.00	19.00	34.00	40.00	1.00	1/4-20 UNC-2B
50-100	25.2	39.00	150.00	19.00	100.00	25.00	34.00	19.00	34.00	40.00	1.00	1/4-20 UNC-2B
<b>lb/in</b>												
2.2-66.1	0.787	1.54	5.91	0.75	3.937	0.984	1.339	0.75	1.339	1.575	0.040	1/4-20 UNC-2B
110.2-220.5	0.992	1.54	5.91	0.75	3.937	0.984	1.339	0.75	1.339	1.575	0.040	1/4-20 UNC-2B

## Order Information

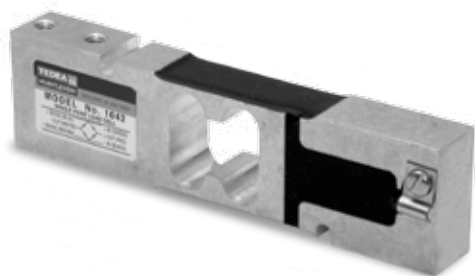
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1 kg (2.2 lb)	40680	2 lb	\$180.00
3 kg (6.6 lb)	40681	2 lb	180.00
5 kg (11.0 lb)	40682	2 lb	180.00
10 kg (22.0 lb)	40683	2 lb	180.00
15 kg (33.1 lb)	40684	2 lb	180.00
20 kg (44.1 lb)	40685	2 lb	180.00
30 kg (66.1 lb)	40686	2 lb	180.00
50 kg (110.2 lb)	40687	2 lb	180.00
75 kg (165.4 lb)	40688	2 lb	180.00
100 kg (220.5 lb)	40689	2 lb	180.00

## Interchangeable Products

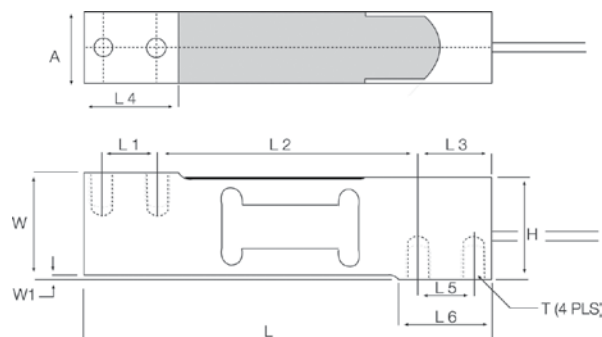
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1042	178

# 1042S

Single Point, Aluminum, NTEP Certified 1:7500 Class III Single Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 30$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

5-10 VDC (15 V maximum)

### Rated Excitation:

10 V DC (15 V maximum)

### Total Error:

0.02% full scale

### Deflection at Capacity:

1 kg-100 kg=0.015 in (0.4 mm)

### Insulation Resistance:

2000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

10 ft (3.1 m)

### Approvals:



## Dimensions

RATED CAPACITY	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
<b>kg/mm</b>												
20-30	20.00	39.00	150.00	19.00	100.00	25.00	34.00	19.00	34.00	40.00	1.00	1/4-20 UNC-2B
50-100	25.2	39.00	150.00	19.00	100.00	25.00	34.00	19.00	34.00	40.00	1.00	1/4-20 UNC-2B
<b>lb/in</b>												
22.0-66.1	0.787	1.54	5.91	0.75	3.937	0.984	1.339	0.75	1.339	1.575	0.040	1/4-20 UNC-2B
110.2-220.5	0.992	1.54	5.91	0.75	3.937	0.984	1.339	0.75	1.339	1.575	0.040	1/4-20 UNC-2B

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
20 kg (44.1 lb)	76427	2 lb	\$195.00
30 kg (66.1 lb)	76428	2 lb	195.00
50 kg (110.2 lb)	76429	2 lb	195.00
75 kg (165.4 lb)	76430	2 lb	195.00
100 kg (220.5 lb)	76431	2 lb	195.00

## Interchangeable Products

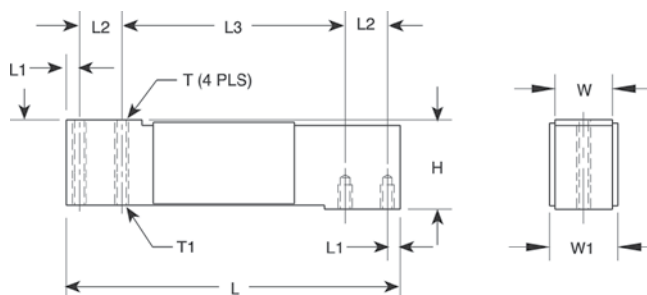
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1042	178

# 1040

Potted & Unpotted Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



Available upon request

## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

200% at center loading point,  
full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Deflection at Capacity:

5 kg-100 kg=0.015 in (0.4 mm)

### Seal Type:

Potted and unpotted models

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.200 PVC jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

### Platform Size:

15.75 x 15.75 in

### Warranty:

One-year limited warranty

### Approvals:



Available  
upon  
request

## Dimensions

RATED CAPACITY	H	L	L1	L2	L3	T	T1	W	W1
<b>kg/mm</b>									
5-100	40.00	150.00	5.95	19.05	100.00	1/4-20 UNC x 10 DP	1/4-28 UNF x 10 DP	25.4	29.4
<b>lb/in</b>									
11.0-220.5	1.57	5.91	0.23	0.75	3.94	1/4-20 UNC x 0.39 DP	1/4-28 UNF x 0.39 DP	1.00	1.16

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Potted, NTEP Certified 1:5000</b>			
10 kg (22.1 lb)	33719	2 lb	\$195.00
15 kg (33.1 lb)	33720	2 lb	195.00
20 kg (44.1 lb)	33721	2 lb	195.00
30 kg (66.1 lb)	33722	2 lb	195.00
50 kg (110.2 lb)	33723	2 lb	195.00
100 kg (220.5 lb)	33724	2 lb	195.00
<b>Potted, Non-NTEP Certified</b>			
5 kg (11.0 lb)	17449	2 lb	190.00
7 kg (15.4 lb)	17483	2 lb	190.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Unpotted, NTEP Certified 1:5000</b>			
5 kg (11.0 lb)	33725	2 lb	\$190.00
7 kg (15.4 lb)	33726	2 lb	190.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1040	179
VPG Celtron®	LOC	214
Mettler Toledo®	0785	

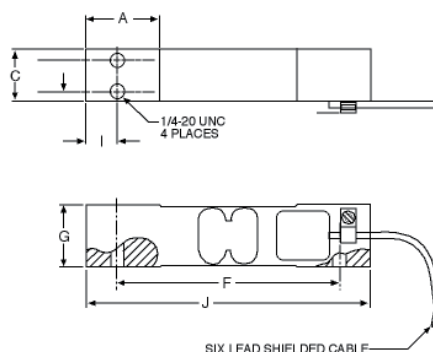


## 1130

Single Point, Stainless Steel, NTEP Certified 1:4000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0 mV/V

**Output Resistance:**350 ( $\pm 3$ ) ohms**Input Resistance:**385 ( $\pm 15$ ) ohms**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

200% full scale, at center loading point

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.02% full scale

**Insulation Resistance:**

2000 megohms

**Deflection at Capacity:**

7.5 kg-100 kg=0.015 in (0.4 mm)

**Seal Type:**

Environmentally sealed

**Cable Length:**

4.92 ft\*\*/ 1.5 m, 10 ft, 25 ft

**Cable Diameter:**

0.200 PVC jacket

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

**Platform Size:**

15.75 x 15.75 in

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	F	G	I	J
<b>kg/mm</b>							
7.5-100	35.00	25.00	15.00	106.00	30.00	14.5	135.00
<b>lb/in</b>							
16.6-220.5	1.378	0.98	0.591	4.173	1.18	0.571	5.31

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
7.5 kg** (16.6 lb)	111381	2 lb	\$265.00
7.5 kg (16.6 lb)	53485	2 lb	255.00
10 kg (22.1 lb)	112374	2 lb	255.00
10 kg** (22.1 lb)	112365	2 lb	265.00
15 kg (33.1 lb)	53486	2 lb	255.00
15 kg** (33.1 lb)	114132	2 lb	265.00
15 kg*** (33.1 lb)	124512	2 lb	315.00
30 kg*** (66.1 lb)	124513	2 lb	315.00
30 kg** (66.1 lb)	114133	2 lb	265.00
30 kg (66.1 lb)	53487	2 lb	255.00
50 kg (110.2 lb)	53488	2 lb	255.00
100 kg* (220.0 lb)	53490	2 lb	255.00

\*Non-NTEP Certified

\*\*10 ft cable

\*\*\*25 ft cable

## Interchangeable Products

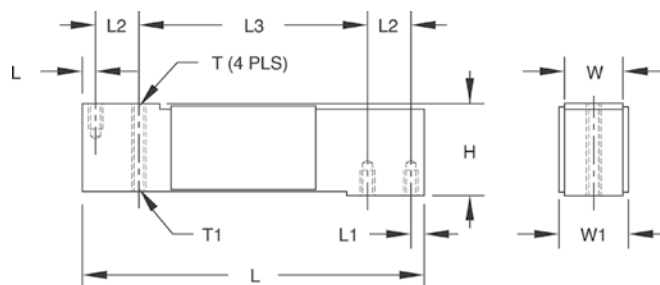
MANUFACTURER	MODEL
Avery-Weightronic®	MK29

# 1140

Potted Single Point, Stainless Steel



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 (± 3) ohms

### Input Resistance:

385 (± 15) ohms

### Material/Finish:

Stainless steel

### Temperature:

Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% at center loading point,  
full scale

### Cable Diameter:

0.200 PVC jacket

### Rated Excitation:

5-10 V DC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Deflection at Capacity:

15 kg-150 kg=0.015 in (0.4 mm)

### Seal Type:

Environmentally sealed

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.200 PVC jacket

### Cable Color Code:

Green .....+ Excitation  
Black.....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

### Platform Size:

15.75 x 15.75 in

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	H	L	L1	L2	L3	T	T1	W	W1
<b>kg/mm</b>									
15-150	40.00	150.00	5.95	19.1	100.00	1/4-20 UNC x 10 DP	1/4-28 UNF x 10 DP	25.4	29.4
<b>lb/in</b>									
33.1-330.7	1.57	5.91	0.23	0.75	3.94	1/4-20 UNC x 0.39 DP	1/4-28 UNF x 0.39 DP	1.00	1.16

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
15 kg (33.1 lb)	17451		\$320.00
30 kg (66.1 lb)	17452		320.00
50 kg (110.2 lb)	17468		320.00
75 kg (165.4 lb)	17485		320.00
100 kg (220.5 lb)	17453	2.4 lb	320.00
150 kg (330.7 lb)	36466		320.00

## Interchangeable Products

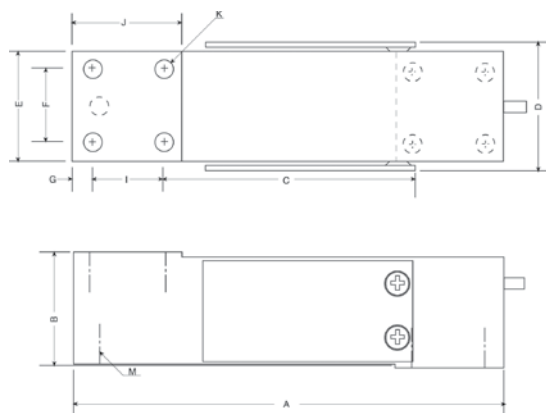
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1140	180

## 1240

Single Point, Stainless Steel



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V**Output Resistance:**  
351 ( $\pm 5$ ) ohms**Input Resistance:**  
380 ( $\pm 15$ ) ohms**Material/Finish:**  
Stainless steel**Temperature:**  
Operating range  
-40°F to 150°F (-40°C to 65°C)**Safe Overload:**  
150% full scale**Rated Excitation:**  
5-10 VDC (15 V maximum)**Total Error:**  
0.02% full scale**Insulation Resistance:**  
2,000 ohms**Deflection at Capacity:**  
200 kg-250 kg=0.015 in (0.4 mm)**Seal Type:**  
Environmentally sealed**Cable Length:**  
10 ft (3.1 m)**Cable Diameter:**  
0.200 PVC jacket**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal**Platform Size:**  
15.5 in x 15.5 in**Warranty:**  
One-year limited warranty**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	I	J	H	M
<b>kg/mm</b>											
200-250	150.1	39.9	86.6	43.4	38.1	25.4	6.35	25.4	38.1	1/4-20 UNC x 13 DP	1/4-28 UNF x 10 DP
<b>lb/in</b>											
441-551.3	5.91	1.57	3.41	1.71	1.50	1.00	0.25	1.00	1.50	1/4-20 UNC x 0.51 DP	1/4-28 UNF x 0.39 DP

## Order Information

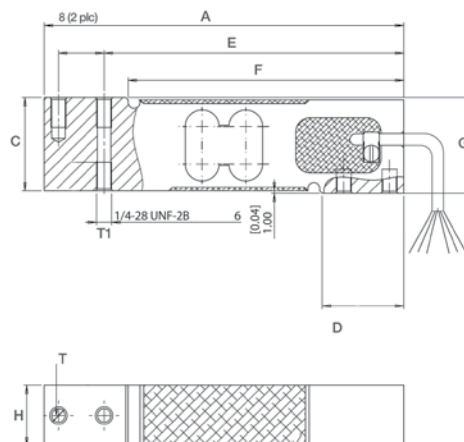
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
200 kg (441 lb)	47880	3 lb	\$350.00
250 kg (551.3 lb)	47881	3 lb	350.00

# 1142

Single Point, Stainless Steel, NTEP Certified 1:5000 Class III Single Cell, IP66



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

351 ( $\pm 5.0$ ) ohms

### Input Resistance:

385 ( $\pm 10$ ) ohms

### Material/Finish:

Stainless steel

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% full scale

### Rated Excitation:

5-10 VDC nominal (15 V maximum)

### Total Error:

0.02% full scale

### Deflection at Capacity:

$\leq 0.015$  in (0.9 mm)

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed, IP66

### Cable Length:

10 ft (3.1 m)

### Cable Diameter:

0.200 PVC Jacket

### Platform Size:

16 in x 16 in

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



Available  
upon  
request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	T	T1
<b>lb/in</b>										
22.0-220 lb	5.91	0.75	1.54	1.34	4.92	4.53	1.57	1.00	1/4-20 UNC	1/4-28 UNF
<b>kg/mm</b>										
10-100 kg	150.00	19.05	39.00	34.00	125.0	115.0	40.00	25.4	1/4-20 UNC	1/4-28 UNF

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
10 kg (22 lb)	156361	3 lb	\$320.00
15 kg (33 lb)	156362	3 lb	320.00
20 kg (44 lb)	156363	3 lb	320.00
30 kg (66 lb)	156364	3 lb	320.00
50 kg (110 lb)	156365	3 lb	320.00
75 kg (165 lb)	156366	3 lb	320.00
100 kg (220 lb)	156367	3 lb	320.00

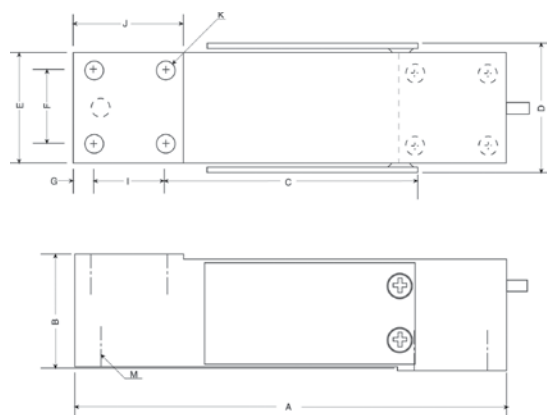
Metric threads available as an option

## 1241

Single Point, Aluminum, OIML C3, Potted



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V**Output Resistance:**  
351 ( $\pm 5$ ) ohms**Input Resistance:**  
415 ( $\pm 15$ ) ohms**Material/Finish:**  
Aluminum**Temperature:**  
Operating range  
-40°F to 150°F (-40°C to 65°C)**Safe Overload:**  
150%, full scale**Rated Excitation:**  
5-10 VDC (15 V maximum)**Total Error:**  
0.005% full scale**Insulation Resistance:**  
2,000 megohms**Deflection at Capacity:**  
50 kg-250 kg=0.015 in (0.4 mm)**Seal Type:**  
Environmentally sealed**Cable Length:**  
3.2 ft/1 m**Cable Diameter:**  
0.200 PVC jacket**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal**Platform Size:**  
15.5 x 15.5 in**Warranty:**  
One-year limited warranty**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	I	J	K	M
<b>kg/mm</b>											
50-250	150.1	39.9	86.6	43.4	38.1	25.4	6.35	25.4	38.1	1/4-20 UNC x 13 DP	1/4-28 UNF x 10 DP
<b>lb/in</b>											
110.2-551.3	5.91	1.57	3.41	1.71	1.50	1.00	0.25	1.00	1.50	1/4-20 UNC x 0.51 DP	1/4-28 UNF x 0.39 DP

## Order Information: Potted

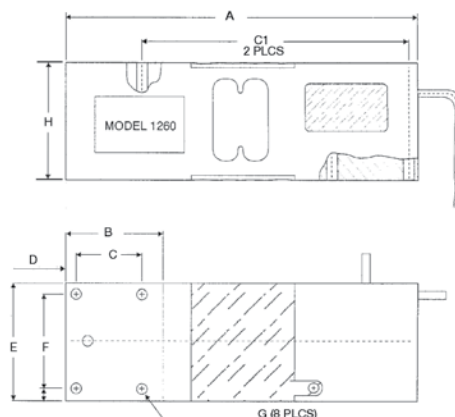
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	132832	3 lb	\$275.00
100 kg (220.5 lb)	132962	3 lb	275.00
150 kg (330.7 lb)	132963	3 lb	275.00
200 kg (441.0 lb)	132964	3 lb	275.00
250 kg (551.3 lb)	132965	3 lb	275.00

# 1260

Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell, IP67



Picture is a representation of actual product



Available upon request

## Specifications

### Full Scale Output:

2.0mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Anodized aluminum

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% of full scale at center loading point

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.02% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed, IP67

### Cable Length:

10 ft (3 m)

### Cable Diameter:

0.220 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

### Max Platform Size:

24 in x 24 in

### Warranty:

One-year limited warranty

### Approvals:

     
Available upon request

## Dimensions

RATED CAPACITY	A	B	C	C1	D	E	F	G	H
<b>kg/mm</b>									
50-635	188.00	52.00	35.00	142.00	5.5	62.3	50.00	5/16-18UNC-2B	62.3
<b>lb/in</b>									
110.2-1399.9	7.40	2.05	1.38	5.59	0.22	2.45	1.97	5/16-18UNC-2B	2.45

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	40769		\$310.00
75 kg (165.4 lb)	40770		310.00
100 kg (220.5 lb)	40771		310.00
200 kg (440.9 lb)	40772		310.00
250 kg (551.2 lb)	40773		310.00
300 kg (661.4 lb)	40774		310.00
500 kg (1,102.3 lb)	40775		310.00
635 kg (1,399.9 lb)	40776		310.00

## Interchangeable Products

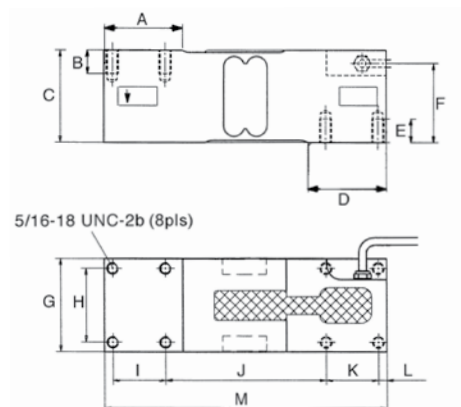
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1260	183
HBM	PW16	257

# 1260S

Single Point, Aluminum, NTEP Certified 1:10,000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
415 ( $\pm 15$ ) ohms

**Material/Finish:**  
Anodized aluminum

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% of full scale at center  
loading point

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.02% full scale

**Insulation Resistance:**  
2,000 megohms

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
10 ft (3.1 m)

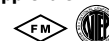
**Cable Diameter:**  
0.220 polyurethane jacket

**Cable Color Code:**  
Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

**Max Platform Size:**  
24 x 24 in

**Warranty:**  
One-year limited warranty

**Approvals:**



## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>kg/mm</b>													
75-635	52.00	16.00	62.3	52.00	16.00	52.3	63.00	50.00	35.00	107.00	35.00	5.5	188.00
<b>lb/in</b>													
165.4-1,399.9	2.04	0.62	2.45	2.04	0.62	2.05	2.48	1.96	1.37	4.21	1.37	0.21	7.40

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
75 kg (165.4 lb)	76395	5 lb	\$325.00
100 kg (220.5 lb)	76396	5 lb	325.00
150 kg (330.75 lb)	76397	5 lb	325.00
200 kg (440.9 lb)	76398	5 lb	325.00
250 kg (551.2 lb)	76399	5 lb	325.00
300 kg (661.4 lb)	76400	5 lb	325.00
500 kg (1,102.3 lb)	76401	5 lb	325.00
635 kg (1,399.9 lb)	76402	5 lb	325.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
VPG Tedea-Huntleigh®	1260	349
Rice Lake Weighing Systems	RL1260	183

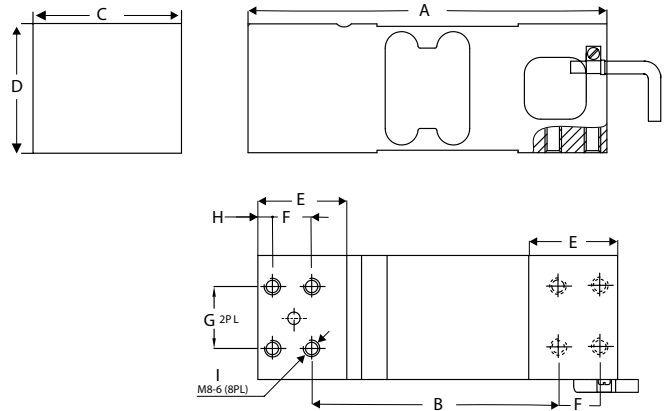


# 1263

Single Point, Aluminum, OIML C3, IP66



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2 mv/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance**  
415 ( $\pm 15$ ) ohms

**Material/Finish:**  
Anodized aluminum

**Temperature:**  
Compensated range:  
14°F to 104°F (-10°C to 40°C)  
Operating range:  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% of rated output

**Rated Excitation:**  
10 VAC (15 V max)

**Total Error:**  
0.02% full scale

**Insulation Resistance:**  
2,000 megohms

**Seal Type:**  
IP66

**Cable Length:**  
5 ft (1.5 m)

**Cable Diameter:**  
0.200 PVC jacket

**Cable Color Code:**  
Green .....+ Excitation  
Black.....- Excitation  
Red .....+ Signal  
White .....- Signal

**Max Platform Size:**  
24 x 24 in

**Warranty:**  
One-year limited warranty

**Approvals:**



Available  
upon  
request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I
<b>kg/mm</b>									
50-635 kg	174.00	122.00	60.00	62.5	43.00	19.00	30.00	7.00	M8-6
<b>lb/in</b>									
110.2-1,399.9 lb	6.85	4.80	2.36	2.46	1.69	0.74	1.18	0.27	M8-6

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 kg (110.2 lb)	157478	5 lb	\$275.00
100 kg (165.4 lb)	157479	5 lb	275.00
150 kg (220.5 lb)	157480	5 lb	275.00
200 kg (440.9 lb)	157481	5 lb	275.00
250 kg (551.2 lb)	157482	5 lb	275.00
300 kg (661.4 lb)	157483	5 lb	275.00
500 kg (1,102.3 lb)	157484	5 lb	275.00
635 kg (1,399.9 lb)	157485	5 lb	275.00

## Interchangeable Products

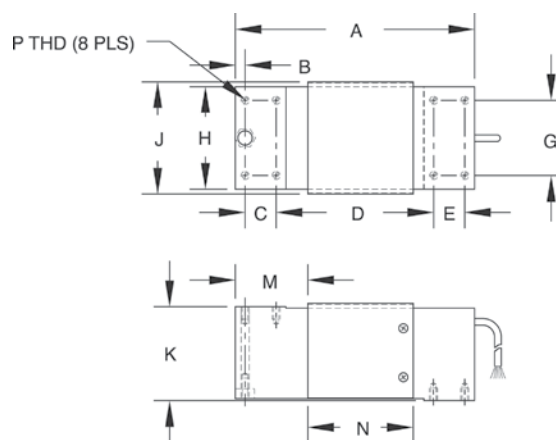
MANUFACTURER	MODEL	PAGE #
Transcell®	FAV	

## 1250

Potted Single Point, Aluminum, NTEP Certified 1:5000 Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0 mV/V

**Bridge Resistance:**

350 ohms, nominal

**Material/Finish:**

Anodized aluminum

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

150% of full scale at center loading point

**Rated Excitation:**

5-10 VDC (15 V maximum)

**Total Error:**

0.02% full scale

**Insulation Resistance:**

2,000 megohms

**Deflection at Capacity:**

50 kg-1000 kg=0.015 in (0.4 mm)

**Seal Type:**

Environmentally sealed

**Cable Length:**

10 ft (3.1 m)

**Cable Diameter:**

0.200 PVC jacket

**Cable Color Code:**

Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

**Max Platform size:**

24 x 24 in

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

RATED CAPACITY	A	B	C	D	E	G	H	J	K	M	N	P
<b>kg/mm</b>												
50-1000	191.00	11.00	25.00	125.00	25.00	60.00	75.00	82.00	75.00	57.5	85.00	5/16-18 UNC x 15 DP
<b>lb/in</b>												
220.5-2,205	7.52	0.31	0.98	4.92	0.98	2.36	2.95	3.23	2.95	2.26	3.35	5/16-18 UNC x .59 DP

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Potted, NTEP Certified 1:5000</b>			
50 kg (110.3 lb)	17478	6 lb	\$315.00
75 kg (165.4 lb)	17469	6 lb	315.00
100 kg (220.5 lb)	33711	6 lb	315.00
150 kg (330.7 lb)	33712	6 lb	315.00
200 kg (440.9 lb)	33713	6 lb	315.00
250 kg (551.2 lb)	33714	6 lb	315.00
300 kg (661.4 lb)	33715	6 lb	315.00
500 kg (1,102.3 lb)	33716	6 lb	315.00
635 kg (1,399.9 lb)	33717	6 lb	315.00
1,000 kg (2,205 lb)	17480	6 lb	315.00

## 1250 Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Non-NTEP Certified with 25 ft Potted Load Cell Cable</b>			
50 kg (110.3 lb)	40944	6 lb	\$345.00
75 kg (165.4 lb)	40945	6 lb	345.00
100 kg (220.5 lb)	40946	6 lb	345.00
150 kg (330.7 lb)	32342	6 lb	345.00
200 kg (440.9 lb)	32341	6 lb	345.00
250 kg (551.2 lb)	40947	6 lb	345.00
300 kg (661.4 lb)	32340	6 lb	345.00

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	RL1250	184
VPG Celtron®	LOC	214
Flintec®	PCB*	233
Transcell®	FAY	

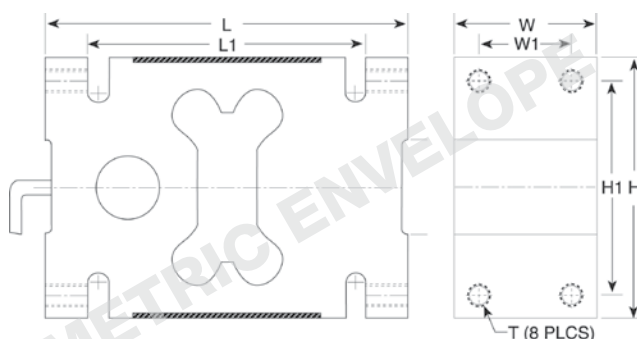
\*Stainless steel, hermetically sealed

# 1320

Single Point, Aluminum, NTEP Certified 1:3000, Class III Single Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
415 ( $\pm 15$ ) ohms

**Material/Finish:**  
Aluminum alloy

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.02% full scale

**Insulation Resistance:**  
2,000 megohms

**Deflection at Capacity:**  
1,000 kg-2,000 kg=0.015 in (.4 mm)

**Max. Platform Size:**  
4 x 4 ft m (1.2 x 1.2 m)

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
16.04 ft (5 m)

**Cable Diameter:**  
0.220 polyurethane jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

**Warranty:**  
One-year limited warranty

### Approvals:



Available upon request

## Dimensions

RATED CAPACITY	H	H1	H2	L	L1	T	W	W1
<b>kg/mm</b>								
1,000-2,000	126.00	95.00	45.00	176.00	135.00	M16 x 2-6H	76.00	46.00
<b>lb/in</b>								
2,204.6-4,409.2	4.96	3.74	1.77	6.93	5.31	M16 x 2-6H	2.99	1.81

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
1,000 kg (2,204.6 lb)	29908	9 lb	\$525.00
1,500 kg (3,306.9 lb)	29909	9 lb	525.00
2,000 kg (4,409.2 lb)	29910	9 lb	525.00

## Interchangeable Products

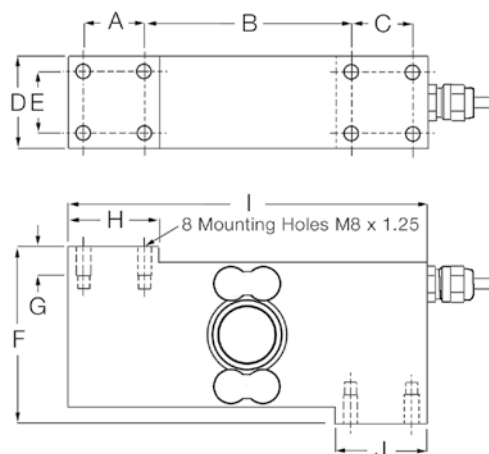
MANUFACTURER	MODEL	PAGE #
VPG Celtron®	HOC	216

## 1510

Single Point, Stainless Steel, Welded-Seal, IP68



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

2.0mV/V

**Output Resistance:**350 ( $\pm 3$ ) ohms**Input Resistance:**380 ( $\pm 10$ ) ohms**Material/Finish:**

Stainless steel

**Temperature:**

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

150% at center loading point,  
full scale

**Rated Excitation:**

5-10VDC (15V maximum)

**Total Error:**

0.020% full scale

**Insulation Resistance:**

2,000 megohms

**Seal Type:**

Welded seal, IP68

**Cable Length:**

10 ft (3.1 m)

**Cable Diameter:**

0.220 polyurethane jacket

**Cable Color Code:**

Green .....+ Input  
Black .....- Input  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Output  
White .....- Output

**Platform Size:**

23.62 x 23.62 in

**Warranty:**

One-year limited warranty

**Approvals:**

## Dimensions

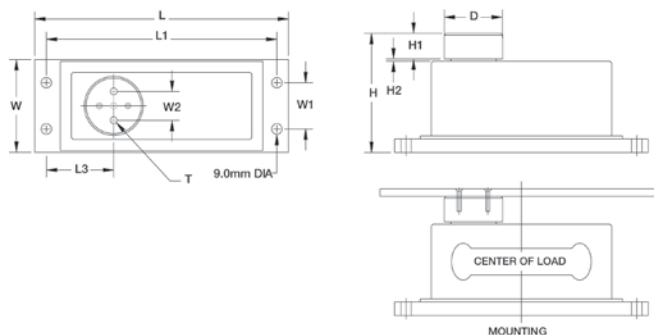
RATED CAPACITY	A	B	C	D	E	F	G	H	I	J
<b>kg/mm</b>										
100-500 kg	25.4	86.3	25.4	38.1	25.4	72.8	11.9	38.1	149.9	38.1
<b>lb/in</b>										
100-500 lb	1.00	3.40	1.00	1.50	1.00	2.87	0.47	1.50	5.90	1.50

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
100 kg (220.5 lb)	65851	6 lb	\$795.00
250 kg (551.2 lb)	65852	6 lb	795.00
500 kg (1,102.3 lb)	65853	6 lb	795.00



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 3$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Anodized aluminum load cell in alloy steel or stainless steel enclosure

### Temperature:

Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

### Safe Overload:

150% at center loading point, full scale

### Rated Excitation:

5-10 VDC (15 V maximum)

### Total Error:

0.025% full scale

### Insulation Resistance:

2,000 megohms

### Seal Type:

Environmentally sealed, IP66

### Cable Length:

10 ft (3 m)

### Cable Diameter:

0.370 PVC jacket

### Cable Color Code:

Green ..... + Excitation  
 Black ..... - Excitation  
 Blue ..... + Sense  
 Brown ..... - Sense  
 Red ..... + Signal  
 White ..... - Signal

### Warranty:

One-year limited warranty

### Approvals:



Available upon request

## Dimensions

RATED CAPACITY	D	H	H1	H2	L	L1	L3	T	W	W1	W2
<b>kg/mm</b>											
2-50	50 dia.	115.00	21.00	2.00	220.00	200.00	58.5	1/4-20 UNC x 10 DP	80.00	40.00	25.00
<b>lb/in</b>											
4.4-110.2	1.97 dia.	4.53	0.83	0.08	8.66	7.87	2.30	1/4-20 UNC x 0.39 DP	3.15	1.57	0.98

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Stainless Steel</b>			
2 kg* (4.4 lb)	17567	8 lb	\$825.00
5 kg (11.0 lb)	17568	8 lb	825.00
7 kg (15.4 lb)	17569	8 lb	825.00
10 kg (22.0 lb)	17570	8 lb	825.00
15 kg (33.1 lb)	17571	8 lb	825.00
20 kg (44.1 lb)	17572	8 lb	825.00
30 kg (66.1 lb)	17573	8 lb	825.00
50 kg (110.2 lb)	17574	8 lb	825.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
<b>Alloy Steel</b>			
2 kg* (4.4 lb)	17559	8 lb	\$725.00
5 kg (11.0 lb)	17560	8 lb	725.00
7 kg (15.4 lb)	17561	8 lb	725.00
10 kg (22.0 lb)	17562	8 lb	725.00
15 kg (33.1 lb)	17563	8 lb	725.00
20 kg (44.1 lb)	17564	8 lb	725.00
30 kg (66.1 lb)	17565	8 lb	725.00
50 kg (110.2 lb)	17566	8 lb	725.00

\*Non-NTEP Certified

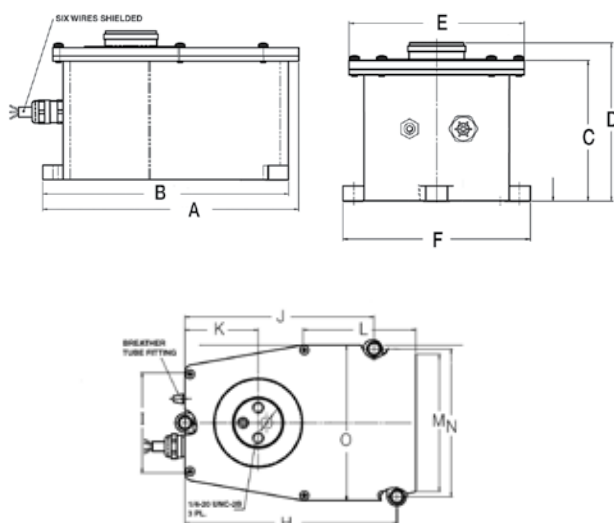
Note: The special fluid damped operation is particularly well-suited for applications where quick weighing is required, e.g., checkweighers

## 1430

Single Point, Fluid Damped Stainless Steel Housing for Rotary Filling Machines



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2.0 mV/V, ( $\pm 0.3$  mV)

**Output Resistance:**  
350 ( $\pm 3$ ) ohms

**Input Resistance:**  
415 ( $\pm 15$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14°F to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
160% full scale

**Rated Excitation:**  
5-10 VDC

**Combined Error:**  
0.05% full scale  
**Insulation Resistance:**  
2,000 megohms

**Seal Type:**  
Environmentally sealed

**Cable Length:**  
6 m PVC jacket

**Cable Color Code:**  
Green .....+ Excitation  
Black.....- Excitation  
White .....+ Signal  
Red .....- Signal  
Blue .....+ Sense  
Brown .....- Sense

**Warranty:**  
One-year limited warranty

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	H	I	J	K	L	M	N	O
<b>lb/in</b>														
17, 23 lb	5.94	5.71	3.07	3.46	3.82	4.09	5.23	2.46	4.66	1.73	2.77	3.38	3.64	3.82
<b>kg/mm</b>														
3 kg	151.0	145.0	78.1	87.8	97.00	103.8	133.00	62.7	118.6	44.00	70.6	86.0	92.6	97.2

## Order Information

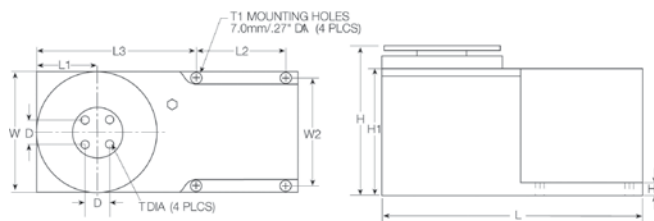
LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
17 lb	131953	4 lb	\$1,195.00
23 lb	131954	4 lb	1,195.00
3 kg	131952	4 lb	1,195.00

# 9010

## Single Point, Fluid Damped Load Cell



Picture is a representation of actual product



## Specifications

### Full Scale Output:

2.0 mV/V

### Output Resistance:

350 ( $\pm 5$ ) ohms

### Input Resistance:

415 ( $\pm 15$ ) ohms

### Material/Finish:

Aluminum

### Temperature:

Compensated range  
40°F to 150°F (-40°C to 65°C)

### Safe Overload:

800% full scale downward  
400% full scale upward

### Rated Excitation:

15 VDC (15 V maximum)

### Total Error:

0.03% full scale

### Insulation Resistance:

5,000 megohms

### Seal Type:

Environmentally sealed

### Cable Length:

3 ft (0.9 m)

### Cable Diameter:

0.370 PVC jacket

### Cable Color Code:

Green .....+ Excitation  
Black .....- Excitation  
Blue .....+ Sense  
Brown .....- Sense  
Red .....+ Signal  
White .....- Signal

### Warranty:

One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	D	H	H1	H3	L	L1	L2	L3	T	W	W2
<b>lb/in</b>											
6.6-110.2	0.75	4.53	3.83	0.39	7.85	1.81	2.81	4.72	1/4-20 UNC x 0.79 DP	3.62	3.23
<b>kg/mm</b>											
3-50	19.05	115.2	97.3	10.00	199.5	46.00	71.5	119.8	1/4-20 UNC x 20 DP	92.00	82.00

## 9010 Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
3 kg (6.6 lb)	Consult	7 lb	\$950.00
5 kg (11.0 lb)	Consult	7 lb	950.00
7 kg (15.4 lb)	Consult	7 lb	950.00
10 kg (22.0 lb)	Consult	7 lb	950.00
15 kg (33.1 lb)	Consult	7 lb	950.00
20 kg (44.1 lb)	Consult	7 lb	950.00
30 kg (66.1 lb)	Consult	7 lb	950.00
50 kg (110.2 lb)	Consult	7 lb	950.00

Note: The special fluid damped operation is particularly well-suited for applications where quick weightment is required, e.g., checkweighers

9010 load cells are custom-manufactured per specific application requirements; use the Application Definition Form on the last page of this section to define your applications

Available in stainless steel with breather vent option for washdown applications

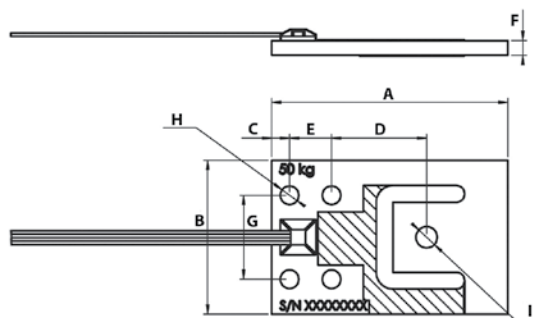


380

Planar Beam, Aluminum, IP65, NTEP Certified 1:4000 III Single Cell / 1:5000 III Multiple Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**

1 mV/V

**Output Resistance:**
1,000 ( $\pm 10$ ) ohms
**Input Resistance:**
1,160 ( $\pm 15$ ) ohms
**Material/Finish:**

Aluminum

**Temperature:**

 14°F to 104°F (-10°C to 40°C)  
 Operating range  
 -40°F to 150°F (-40°C to 65°C)

**Safe Overload:**

150% full scale

**Rated Excitation:**

5-10 VDC

**Seal Type:**

IP65

**Insulation Resistance:**

5,000 megohms

**Cable Length:**

1.5 m flat ribbon type, PVC

**Cable Color Code:**

 Green .....+ Excitation  
 Black .....- Excitation  
 White .....- Signal  
 Red .....+ Signal

**Warranty:**

One-year limited warranty

**Approvals:**


Available upon request

## Dimensions

RATED CAPACITY	A	B	C	D	E	F	G	H	I
kg/mm									
7.5 kg	70.00	39.00	2.5	28.00	14.00	4.9	27.8	5.1	5.1
37.5 kg	76.2	44.5	4.8	29.3	15.00	6.00	30.00	6.6	6.2
50 kg	84.5	55.00	5.3	34.00	15.00	6.4	30.00	6.6	7.6
75 kg	84.5	55.00	6.4	34.00	15.00	6.4	30.00	6.6	7.6
150 kg	107.5	70.00	8.00	45.9	22.8	7.8	44.5	8.1	8.2

## Order Information

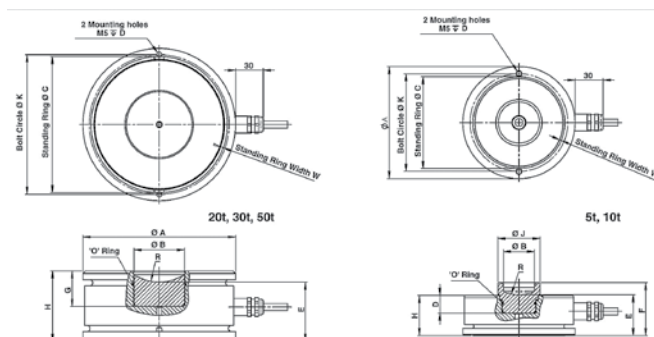
LOAD RATING		PART #	EST. SHIPPING WEIGHT	PRICE
7.5 kg	(16.5 lb)	112921	1 lb	\$75.00
37.5 kg	(82.7 lb)	112922	1 lb	80.00
50 kg	(110.2 lb)	112923	1 lb	85.00
75 kg	(165.3 lb)	112924	1 lb	85.00
150 kg	(330.7 lb)	112925	1 lb	100.00

# 220

Compression, Stainless Steel, NTEP Certified 1:10,000 Class III L, Multiple Cell



Picture is a representation of actual product



## Specifications

**Full Scale Output:**  
2 mV/V

**Output Resistance:**  
1025 ( $\pm 20$ ) ohms

**Input Resistance:**  
1065 ( $\pm 60$ ) ohms

**Material/Finish:**  
Stainless steel

**Temperature:**  
Compensated range  
14° to 104°F (-10°C to 40°C)  
Operating range  
-40°F to 150°F (-40°C to 65°C)

**Safe Overload:**  
150% at center loading point, full scale

**Rated Excitation:**  
5-10 VDC (15 V maximum)

**Total Error:**  
0.020% full scale

**Insulation Resistance:**  
2,000 megohms

**Deflection at Capacity:**  
< 0.5 mm at full scale

**Seal Type:**  
Hermetically sealed, IP68

**Cable Length:**  
5 m (5,000 kg)  
10 m (10 kg-20,000 kg)  
20 m (30,000 kg)

**Cable Diameter:**  
0.220 polyurethane jacket

### Cable Color Code:

Blue .....+ Excitation  
Black.....- Excitation  
Green.....+ Sense  
Gray.....- Sense  
White.....+ Signal  
Red.....- Signal

**Warranty:**  
One-year limited warranty

### Approvals:



## Dimensions

RATED CAPACITY	A	B	C	D	E	H
kg/mm						
5,000 kg	80.00	19.00	70.00	20.00	33.4	30.00
10,000 kg	92.00	28.00	80.00	14.6	33.4	33.00
20,000 kg-30,000 kg	110.00	29.00	101.5	26.3	39.00	50.00

## Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
5,000 kg	(11,023.1 lb) 65854	3 lb	\$1,195.00
10,000 kg	(22,046.2 lb) 65855	5 lb	1,295.00
20,000 kg	(44,092.5 lb) 65856	8 lb	1,295.00
30,000 kg	(66,138.7 lb) 65857	8 lb	1,295.00

## Weigh Module Available

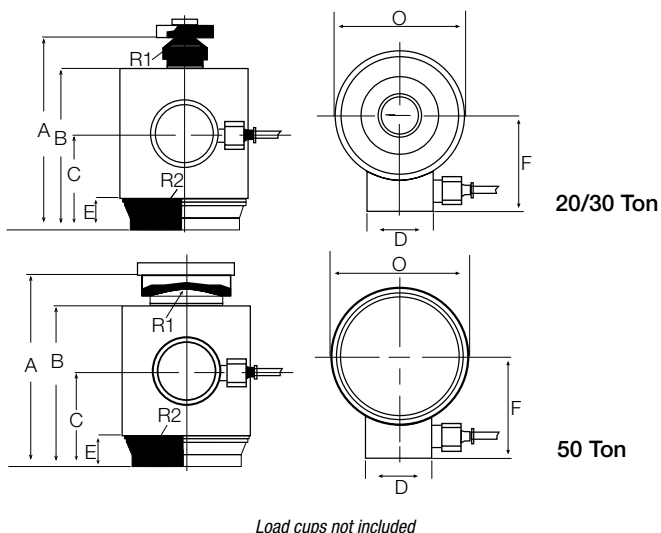
MANUFACTURER	MODEL	PAGE #
Rice Lake Weighing Systems	220	82

## Interchangeable Products

MANUFACTURER	MODEL	PAGE #
WeighTronix	220	

**NEW**  
**120**

Compression Canister, Stainless Steel, IP68

*Picture is a representation of actual product***Specifications****Full Scale Output:**  
1.5 mV/V**Output Resistance:**  
605 ( $\pm 5$ ) ohms**Input Resistance:**  
670 ( $\pm 15$ ) ohms**Material/Finish:**  
Stainless steel**Temperature:**  
-10°C to 40°C**Safe Overload:**  
150% full Scale**Rated Excitation:**  
5-10 VDC**Total Error:**  
0.02% of applied load**Seal Type:**  
Environmentally sealed IP68**Insulation Resistance:**  
2,000 megohms**Cable Length:**  
49.21 ft (15 m)**Cable Color Code:**  
Green ..... + Excitation  
Black ..... - Excitation  
Red ..... + Signal  
White ..... - Signal  
Blue ..... + Sense  
Brown ..... - Sense**Warranty:**  
One-year limited warranty**Dimensions**

RATED CAPACITY	A	B	C	D	E	F	O	R1	R2
<b>kg/mm</b>									
20,000	138.25	112.25	72.25	50.00	32.25	69.00	88.00	15.00	150.00
30,000	138.25	112.25	72.25	50.00	32.25	69.00	88.00	15.00	150.00
50,000	155.5	115.75	74.00	50.00	32.25	69.00	88.00	35.00	300.00

**Order Information**

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
20,000 kg	169233	1 lb	\$625.00
30,000 kg	169234	1 lb	625.00
50,000 kg	169235	1 lb	625.00

# VPG Tedea-Huntleigh Model 9010 Application Definition Form

Customer's Name: \_\_\_\_\_ Number of Units: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Date: \_\_\_\_\_

Application: \_\_\_\_\_

Tare Weight (Dead Load), kg: \_\_\_\_\_

Useful Weight (Live Load), kg: \_\_\_\_\_

If Checkweigher:

Size of conveyor platform (cm x cm): Length (Movement Direction) \_\_\_\_\_ Width \_\_\_\_\_

Size of weighed product in movement direction (cm): \_\_\_\_\_

Speed of belt (cm/sec): \_\_\_\_\_

Tare Weight Distribution: Conveyor (kg) \_\_\_\_\_

Motor (kg) \_\_\_\_\_

Position of motor (see sketch, cm): D \_\_\_\_\_ F \_\_\_\_\_

If not checkweigher (see sketch):

Estimate tare C. G. Position (cm): D \_\_\_\_\_ F \_\_\_\_\_

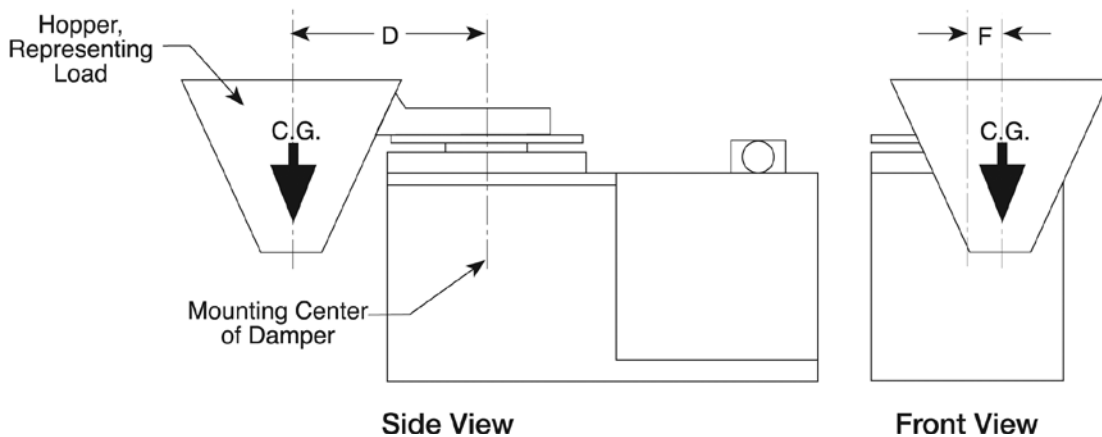
Loading position (cm): D \_\_\_\_\_ F \_\_\_\_\_ Drop Height (cm) \_\_\_\_\_

If C. G. of load varies, max. distance between extreme position (cm): \_\_\_\_\_

Describe live load (powder, fruit, screws, etc.): \_\_\_\_\_

Settling time (milliseconds): \_\_\_\_\_

Accuracy required: \_\_\_\_\_ Operating temperature range (°C): \_\_\_\_\_



*Return completed form to your Sales Representative.*

For Factory use; do not write in space below.

Serial Numbers: \_\_\_\_\_ Sales Order #: \_\_\_\_\_

Delivery Quoted: \_\_\_\_\_ Date: \_\_\_\_\_

# NEW

VP&G TEDEA-HUNTLEIGH

www.ricelake.com | Phone: 800-472-6703



# Hardware

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# Load Cell Mounting Hardware Safety Guidelines

Install only load cell mounting hardware and assemblies that have been specifically designed for use in tank, hopper or hanging scale applications. Often, the use of an inferior-grade product results in component failure which risks equipment damage and personal injury. These simple suggestions are provided to help minimize your exposure to vessel scale installation hazards.

## 1. Estimating Gross Load

To select the correct load cell or load cell hardware for a given application, it is necessary to know the total weight on the scale—including the net weight of product, the tare weight of the vessel and the weight of the platform, tank or hopper, as appropriate.

## 2. Safe Load

Do not exceed the safe load figures listed in Rice Lake Weighing Systems' catalog for any load cell hardware. Where shock loads are present, it may be necessary to derate these safe load figures depending on the severity of the shock load.

## 3. Load Distribution

In multiple load cell applications, the weight must be evenly distributed between all cells.

## 4. Threaded Connections

Check that all threads of a threaded connection are in engagement. For example, an eye bolt screwed into an S-type load cell should protrude slightly on the opposite side.

## 5. Jam Nuts

All threaded connections must be locked with jam nuts against inadvertent disassembly. If a load is suspended from a single load cell, it is critical that the load cannot rotate as this may loosen the jam nut.

## 6. Wire Rope Assemblies

With wire rope assemblies, do not twist the rope during assembly or disassembly. For example, do not remove a frozen nut from one end of a rope assembly by holding the opposite end.

## 7. Attachment Points of a Load Cell Hardware Assembly

The attachment points of a load cell hardware assembly must be aligned properly and the assembly should be essentially vertical.

## 8. Swaying in a Suspended Vessel Scale

If there is excessive swaying in a suspended vessel scale, apply horizontal checking to reduce the amplitude.

## 9. Safety Backup

If failure of one or more load cell hardware assemblies could cause injury or damage, a safety backup (safety chains, safety rods, etc.) must be used. The assemblies should be inspected routinely for damage, excessive wear or corrosion and replaced if necessary.

## 10. Hopper Scales: Guarding Against Contamination

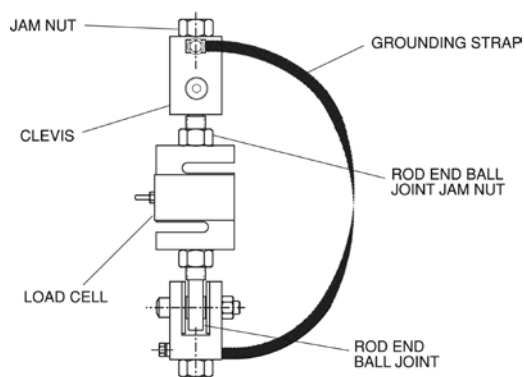
With hopper scales, guard against contamination of the product being weighed in case of failure of the load cell or hardware assembly. For example, do not locate a wire rope assembly over a hopper scale where broken strands of wire could fall into the weighing vessel, contaminating the product being weighed.

## 11. Selecting Steel Rod or Any Other Weight-Bearing Components

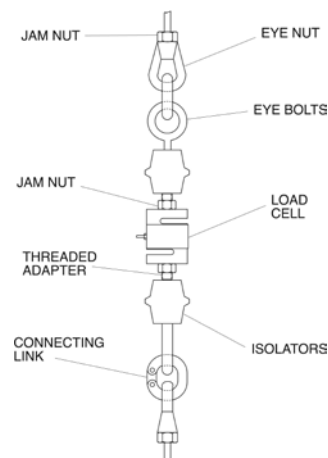
Select steel rod or any other weight-bearing components so that the minimum tensile strength is at least four times the total weight carried by that component. Note that threaded rod is generally made from a low tensile-strength mild steel which should be checked for tensile strength before use in any suspended vessel scale.



# Mounting Assembly Component Identification



ITCM Isolated Tension Cell Mounting Assembly



Conventional Tension Mounting Assembly

Our popular Isolated Tension Cell Mounting (ITCM) assembly and other conventional suspended weighing system assemblies employ a variety of serviceable hardware components. Rice Lake Weighing Systems offers a comprehensive selection of these items for all of your suspended vessel service needs. These drawings are designed to enable you to quickly identify and differentiate components from both of these common designs. All corresponding replacement hardware is located on the following pages.

## Jam Nuts

### Standard Features

- Mild steel/stainless steel
- Coarse or fine thread
- Zinc-plated mild steel or stainless steel



Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

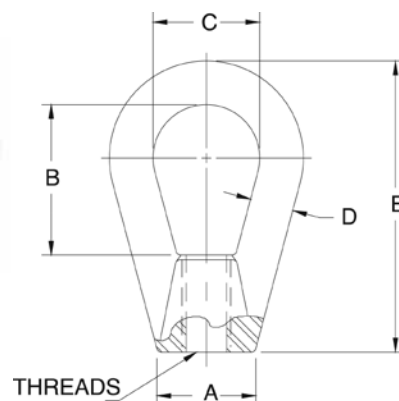
THREAD SIZE	PART #	PRICE
<b>Mild Steel, Fine Thread:</b>		
1/4-28 NF	14639	\$0.35
3/8-24 NF	14651	0.35
1/2-20 NF	14664	1.40
3/4-16 NF	14687	1.40
1-12 NF	14702	5.45
1-14 NF	14703	4.45
1 1/4-12 NF	14708	3.25
1 1/2-12 NF	14711	4.50
<b>Mild Steel, Coarse Thread:</b>		
1/4-20 NC	14636	0.35
3/8-16 NC	14649	1.90
1/2-13 NC	14661	0.35
5/8-11 NC	14676	1.90
3/4-10 NC	14686	0.85
1-8 NC	14701	1.00
1-1/4-7 NC	14707	2.90

THREAD SIZE	PART #	PRICE
<b>Stainless Steel, Fine Thread:</b>		
1/4-28 NF	14640	\$1.10
1/2-20 NF	14665	1.65
3/4-16 NF	14688	2.10
<b>Stainless Steel, Coarse Thread:</b>		
3/8-16 NC	14653	1.85
1/2-13 NC	14662	1.60
5/8-11 NC	14680	1.85
3/4-10 NC	14690	1.90

## Eye Nuts

### Standard Features

- Drop-forged steel, tapped NC right-hand threads



### Part Number/Price

PART #	A		B		C		D		E		THREAD SIZE	SAFE LOAD*		PRICE
17772	0.50 in	12.7 mm	1.06 in	26.9 mm	0.75 in	19.1 mm	0.25 in	6.4 mm	1.68 in	42.7 mm	1/4-20 NC	500 lb	226.8 kg	\$40.00
17773	0.75 in	19.1 mm	1.18 in	30.0 mm	0.87 in	22.1 mm	0.31 in	7.9 mm	2.25 in	57.2 mm	3/8-16 NC	1,800 lb	816.5 kg	25.00
17774	1.00 in	25.4 mm	1.56 in	39.6 mm	1.12 in	28.5 mm	0.43 in	10.9 mm	3.00 in	76.2 mm	1/2-13 NC	3,600 lb	1,632.9 kg	40.00
17775	1.25 in	31.8 mm	1.93 in	49.0 mm	1.37 in	34.8 mm	0.56 in	14.2 mm	3.75 in	95.3 mm	5/8-11 NC	5,800 lb	2,630.8 kg	45.00

\*Do not exceed the safe load

## Coupling Nuts

### Standard Features

- Heavy hex



### Part Number/Price

PART #	THREAD SIZE	LENGTH		FLAT		SAFE LOAD*		PRICE
14638	1/4-20 NC	1.75 in	44.5 mm	0.44 in	11.2 mm	500 lb	226.8 kg	\$5.25
14650	3/8-16 NC	1.75 in	44.5 mm	0.62 in	15.8 mm	1,500 lb	680.4 kg	5.75
14663	1/2-13 NC	1.75 in	44.5 mm	0.87 in	22.1 mm	3,000 lb	1,360.8 kg	5.75
14681	5/8-11 NC	2.12 in	53.8 mm	1.06 in	26.9 mm	7,500 lb	3,402.0 kg	8.50
14691	3/4-10 NC	2.25 in	57.1 mm	1.25 in	31.8 mm	10,000 lb	4,535.9 kg	9.50

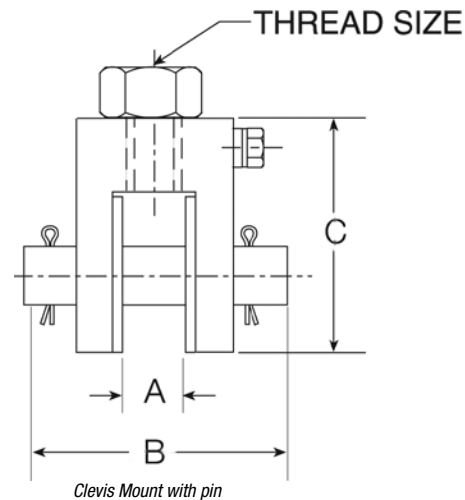
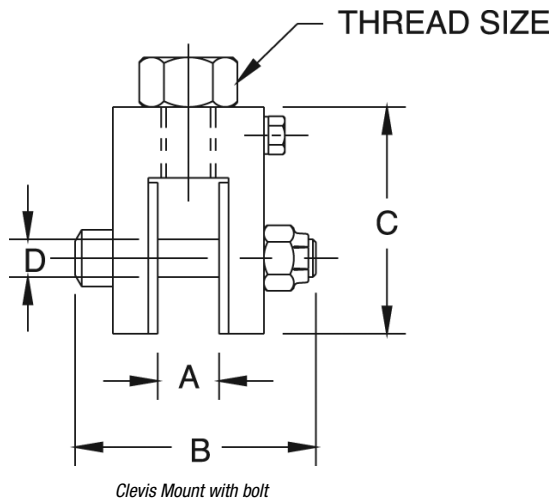
\*Do not exceed the safe load

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

# Clevis Mount Assemblies

## Standard Features

- Mild Steel
- Assembly used in the ITCM
- Adapts rod to rod-end ball joint
- Provides electrical isolation for load cell protection
- Elimination of unwanted side loads
- Optional stainless steel provides enhanced corrosion resistance



## Part Number/Price

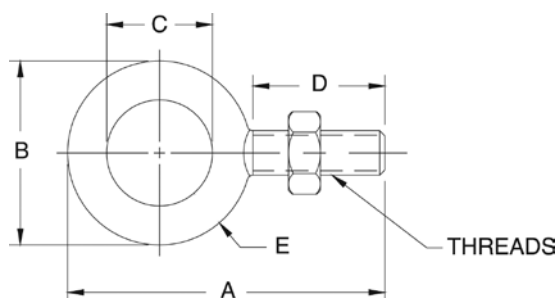
PART #	A	B	C	D	THREAD SIZE	SAFE LOAD*	PRICE					
Mild Steel with Bolt:												
17792	0.52 in	13.2 mm	2.38 in	60.5 mm	1.94 in	49.3 mm	0.38 in	9.5 mm	3/8-16 NC	300 lb	136.1 kg	\$75.00
17793	0.52 in	13.2 mm	2.38 in	60.5 mm	1.94 in	49.3 mm	0.38 in	9.5 mm	1/2-13 NC	300 lb	136.1 kg	75.00
17783	0.39 in	9.9 mm	1.81 in	46.0 mm	1.69 in	42.9 mm	0.25 in	6.4 mm	1/2-13 NC	500 lb	226.8 kg	85.00
17784	0.65 in	16.5 mm	2.68 in	68.1 mm	2.31 in	58.7 mm	0.50 in	12.7 mm	3/4-10 NC	4,000 lb	1,814.4 kg	85.00
17785	0.78 in	19.8 mm	3.37 in	85.6 mm	3.00 in	76.2 mm	0.62 in	15.8 mm	1-8 NC	10,000 lb	4,535.9 kg	85.00
17786	0.39 in	9.9 mm	1.81 in	46.0 mm	1.69 in	42.9 mm	0.25 in	6.4 mm	3/8-16 NC	500 lb	226.8 kg	85.00
17787	0.65 in	16.5 mm	2.68 in	68.1 mm	2.31 in	58.7 mm	0.50 in	12.7 mm	1/2-13 NC	2,000 lb	907.2 kg	85.00
17788	0.65 in	16.5 mm	2.68 in	68.1 mm	2.31 in	58.7 mm	0.50 in	12.7 mm	5/8-11 NC	2,500 lb	1,134.0 kg	85.00
17789	0.78 in	19.8 mm	3.37 in	85.6 mm	3.00 in	76.2 mm	0.62 in	15.8 mm	3/4-10 NC	5,000 lb	2,268.0 kg	85.00
Mild Steel with Pin:												
17790	1.39 in	35.3 mm	4.12 in	104.6 mm	4.50 in	114.3 mm	1.00 in	25.4 mm	1 1/4-7 NC	15,000 lb	6,803.9 kg	315.00
17791	1.22 in	31.0 mm	4.12 in	104.6 mm	5.00 in	127.0 mm	1.25 in	31.8 mm	1 1/2-6 NC	20,000 lb	9,071.9 kg	315.00
Stainless Steel with Pin:												
33644	0.52 in	13.2 mm	2.38 in	60.5 mm	1.94 in	49.3 mm	0.38 in	9.5 mm	1/2-13 NC	300 lb	136.1 kg	165.00
33643	0.39 in	9.9 mm	1.81 in	46.0 mm	1.69 in	42.9 mm	0.25 in	6.4 mm	1/2-13 NC	500 lb	226.8 kg	165.00
33641	0.39 in	9.9 mm	1.81 in	46.0 mm	1.69 in	42.9 mm	0.25 in	6.4 mm	3/8-16 NC	500 lb	226.8 kg	165.00
33658	0.52 in	13.2 mm	2.38 in	60.5 mm	1.94 in	49.3 mm	0.38 in	9.5 mm	3/8-16 NC	500 lb	226.8 kg	165.00
33642	0.65 in	16.5 mm	2.68 in	68.1 mm	2.31 in	58.7 mm	0.50 in	12.7 mm	3/4-10 NC	4,000 lb	1,814.4 kg	215.00
33640	0.65 in	16.5 mm	2.68 in	68.1 mm	2.31 in	58.7 mm	0.50 in	12.7 mm	1/2-13 NC	2,000 lb	907.2 kg	215.00
33639	0.65 in	16.5 mm	2.68 in	68.1 mm	2.31 in	58.7 mm	0.50 in	12.7 mm	5/8-11 NC	2,500 lb	1,134.0 kg	215.00
33638	0.78 in	19.8 mm	3.37 in	85.6 mm	3.00 in	76.2 mm	0.62 in	15.8 mm	3/4-10 NC	5,000 lb	2,268.0 kg	215.00

\*Do not exceed the safe load

# Load Cell Eye Bolts

## Standard Features

- One jam nut included with each eye bolt



## Part Number/Price

PART #	A	B	C	D	E	THREAD SIZE	SAFE LOAD*	PRICE						
Mild Steel:														
17705	2.25 in	57.2 mm	1.25 in	31.8 mm	0.75 in	19.1 mm	1.00 in	25.4 mm	0.25 in	6.4 mm	1/4-28 NF	500 lb	226.8 kg	\$19.00
17707	2.91 in	73.9 mm	1.66 in	42.2 mm	1.00 in	25.4 mm	1.25 in	31.8 mm	0.33 in	8.4 mm	3/8-24 NF	1,300 lb	589.7 kg	19.00
17709	3.56 in	90.4 mm	2.06 in	52.3 mm	1.19 in	30.2 mm	1.50 in	38.1 mm	0.44 in	11.2 mm	1/2-20 NF	2,400 lb	1,088.6 kg	23.00
17711	4.25 in	108.0 mm	2.50 in	63.5 mm	1.37 in	34.8 mm	1.75 in	44.5 mm	0.56 in	14.2 mm	5/8-18 NF	4,000 lb	1,814.4 kg	28.00
17713	4.81 in	122.2 mm	2.81 in	71.4 mm	1.50 in	38.1 mm	2.00 in	50.8 mm	0.66 in	16.8 mm	3/4-16 NF	5,000 lb	2,267.9 kg	60.00
17715	6.06 in	153.9 mm	3.56 in	90.4 mm	1.81 in	46.0 mm	2.50 in	63.5 mm	0.87 in	22.1 mm	1-12 NF	9,000 lb	4,082.3 kg	95.00
17716	6.06 in	153.9 mm	3.56 in	90.4 mm	1.81 in	46.0 mm	2.50 in	63.5 mm	0.87 in	22.1 mm	1-14 NS	9,000 lb	4,082.3 kg	95.00
17704	2.25 in	57.2 mm	1.25 in	31.8 mm	0.75 in	19.1 mm	1.00 in	25.4 mm	0.25 in	6.4 mm	1/4-20 NC	500 lb	226.8 kg	18.00
17706	2.91 in	73.9 mm	1.66 in	42.2 mm	1.00 in	25.4 mm	1.25 in	31.8 mm	0.33 in	8.4 mm	3/8-16 NC	1,300 lb	589.7 kg	18.00
17708	3.56 in	90.4 mm	2.06 in	52.3 mm	1.19 in	30.2 mm	1.50 in	38.1 mm	0.44 in	11.2 mm	1/2-13 NC	2,400 lb	1,088.6 kg	20.00
17710	4.25 in	108.0 mm	2.50 in	63.5 mm	1.37 in	34.8 mm	1.75 in	44.5 mm	0.56 in	14.2 mm	5/8-11 NC	4,000 lb	1,814.4 kg	30.00
17712	4.81 in	122.2 mm	2.81 in	71.4 mm	1.50 in	38.1 mm	2.00 in	50.8 mm	0.66 in	16.8 mm	3/4-10 NC	5,000 lb	2,267.9 kg	50.00
17714	6.06 in	153.9 mm	3.56 in	90.4 mm	1.81 in	46.0 mm	2.50 in	63.5 mm	0.87 in	22.1 mm	1-8 NC	9,000 lb	4,082.3 kg	51.00
17717	7.44 in	189.0 mm	4.44 in	112.8 mm	2.19 in	55.6 mm	3.00 in	76.2 mm	1.12 in	28.4 mm	1 1/4-7 NC	15,000 lb	6,803.9 kg	145.00

\*Do not exceed the safe load

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

# Rod End Ball Joints

## Standard Features

- Used in the ITCM assembly
- One jam nut included with each rod end ball joint
- Standard or PTFE-lined
- Optional stainless steel provides enhanced corrosion resistance for hostile environments

## Part Number/Price

PART#	SAFE LOAD*		BREAKING STRENGTH		PTFE LINED	PRICE
Mild Steel:						
17746	975 lb	453.6 kg	3,915 lb	1,913.3 kg	YES	\$30.00
17734	1,200 lb	544.3 kg	4,916 lb	2,229.9 kg	NO	21.00
17736	4,000 lb	1,814.4 kg	16,238 lb	7,365.5 kg	NO	55.00
17738	7,000 lb	3,175.2 kg	28,081 lb	12,737.4 kg	NO	95.00
17735	2,000 lb	907.2 kg	8,075 lb	3,662.8 kg	NO	25.00
17737	3,250 lb	1,474.2 kg	13,831 lb	6,273.7 kg	NO	38.00
17739	500 lb	226.8 kg	2,158 lb	978.9 kg	YES	30.00
17740	4,000 lb	1,814.4 kg	16,238 lb	7,365.5 kg	YES	50.00
17741	10,000 lb	4,535.9 kg	40,572 lb	18,403.2 kg	YES	75.00
17742	10,500 lb	4,762.7 kg	43,541 lb	19,749.9 kg	NO	140.00
26007	15,000 lb	6,803.9 kg	76,200 lb	34,563.8 kg	YES	285.00
17747	19,000 lb	8,618.3 kg	76,200 lb	34,563.8 kg	YES	325.00
17743	20,000 lb	9,071.9 kg	79,728 lb	36,164.1 kg	NO	245.00
17744	24,000 lb	10,886.2 kg	96,510 lb	43,776.3 kg	NO	345.00
17745	55,000 lb	24,947.7 kg	225,457 lb	102,265.9 kg	NO	365.00
Stainless Steel:						
33506	1,500 lb	680.4 kg	7,362 lb	3,339.4 kg	YES	130.00
33505	500 lb	226.8 kg	2,158 lb	978.9 kg	YES	130.00
33507	3,000 lb	1,360.8 kg	16,238 lb	7,365.5 kg	YES	140.00
33508	7,000 lb	3,175.2 kg	40,572 lb	18,403.2 kg	YES	325.00

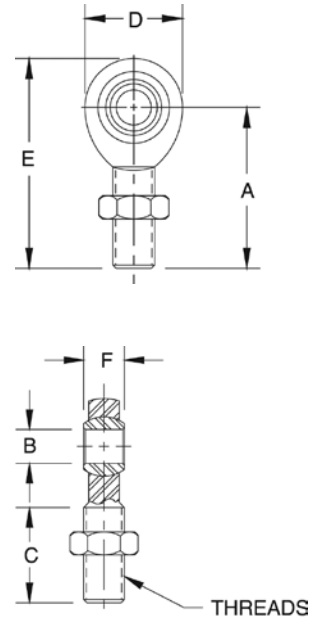
\*Do not exceed the safe load

## Dimensions

PART #	A	B	C	D	E	F	THREAD SIZE
<b>Mild Steel:</b>							
17746	1.94 in	49.3 mm	0.37 in	9.4 mm	1.25 in	31.8 mm	1.00 in
17734	1.94 in	49.3 mm	0.37 in	9.4 mm	1.25 in	31.8 mm	1.00 in
17736	2.44 in	62.0 mm	0.50 in	12.7 mm	1.50 in	38.1 mm	1.31 in
17738	2.87 in	72.9 mm	0.75 in	19.1 mm	1.75 in	44.5 mm	1.75 in
17735	2.44 in	62.0 mm	0.50 in	12.7 mm	1.50 in	38.1 mm	1.31 in
17737	2.87 in	72.9 mm	0.75 in	19.1 mm	1.75 in	44.5 mm	1.75 in
17739	1.56 in	39.6 mm	0.25 in	6.4 mm	1.00 in	25.4 mm	0.75 in
17740	2.44 in	62.0 mm	0.50 in	12.7 mm	1.50 in	38.1 mm	1.31 in
17741	2.87 in	72.9 mm	0.62 in	15.8 mm	1.75 in	44.5 mm	1.75 in
17742	4.12 in	104.7 mm	1.00 in	25.4 mm	2.12 in	53.9 mm	2.75 in
26007	4.12 in	104.7 mm	1.00 in	25.4 mm	2.12 in	53.9 mm	2.75 in
17747	4.12 in	104.7 mm	1.00 in	25.4 mm	2.12 in	53.9 mm	2.75 in
17743	4.12 in	104.7 mm	1.25 in	31.8 mm	2.12 in	53.9 mm	2.75 in
17744	5.37 in	136.4 mm	1.50 in	38.1 mm	3.00 in	76.2 mm	3.50 in
17745	8.00 in	203.2 mm	2.00 in	50.8 mm	4.62 in	117.4 mm	5.00 in
<b>Stainless Steel:</b>							
33506	1.94 in	49.3 mm	.37 in	9.4 mm	1.25 in	31.8 mm	1.00 in
33505	1.56 in	39.6 mm	.25 in	6.4 mm	1.00 in	25.4 mm	.75 in
33507	2.44 in	62.0 mm	.50 in	12.7 mm	1.50 in	38.1 mm	1.31 in
33508	2.87 in	72.9 mm	.62 in	15.8 mm	1.75 in	44.5 mm	1.75 in



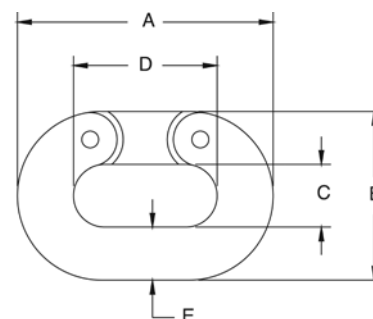
PTFE Lined Standard



# Connecting Links

## Standard Features

- Drop-forged carbon steel, heat-treated, hot-dipped galvanized finish



## Part Number/Price

PART #	A		B		C		D		E		SAFE LOAD*		PRICE
17794	1.50 in	38.1 mm	1.00 in	25.4 mm	0.43 in	10.9 mm	0.87 in	22.1 mm	0.25 in	6.4 mm	1,325 lb	601.6 kg	\$33.00
17795	2.06 in	52.3 mm	1.37 in	34.8 mm	0.56 in	14.2 mm	1.12 in	28.5 mm	0.37 in	9.4 mm	2,750 lb	1,247.4 kg	35.00
17796	2.65 in	67.3 mm	1.71 in	43.4 mm	0.65 in	16.5 mm	1.46 in	37.1 mm	0.50 in	12.7 mm	4,750 lb	2,154.6 kg	35.00
17797	3.31 in	84.1 mm	2.09 in	53.1 mm	0.78 in	19.8 mm	1.81 in	46.0 mm	0.62 in	15.8 mm	7,250 lb	3,288.6 kg	45.00
17798	3.87 in	98.3 mm	2.50 in	63.5 mm	0.93 in	23.6 mm	2.12 in	53.9 mm	0.75 in	19.1 mm	10,250 lb	4,649.3 kg	62.00
17799	5.00 in	127.0 mm	3.31 in	84.1 mm	1.25 in	31.8 mm	2.75 in	69.9 mm	1.00 in	25.4 mm	15,500 lb	7,030.7 kg	100.00

\*Do not exceed the safe load

# Load Cell Isolators

## Standard Features

- Power surges such as those caused by welding or electrical shorts frequently damage load cells and indicators. To prevent such damage, these isolators electrically separate the mechanical assembly from its tension-type load cell.



## Part Number/Price

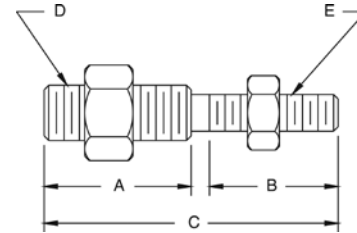
PART #	HEIGHT	THREAD SIZE	MAX. DIA				SAFE LOAD*		PRICE
17722	3/8-	16 NC	2.50	63.5 mm	2.50	63.5 mm	600 lb	272.2 kg	\$36.00
17724	1/2-	13 NC	2.50	63.5 mm	2.50	63.5 mm	600 lb	272.2 kg	43.00
17726	1/2-	20 NF	2.50	63.5 mm	2.50	63.5 mm	600 lb	272.2 kg	50.00
17725	1/2-	13 NC	2.43	61.7 mm	2.00	50.8 mm	3,000 lb	1,360.8 kg	100.00
17723	3/8-	24 NF	2.50	63.5 mm	2.50	63.5 mm	600 lb	272.2 kg	80.00
17728	1/2-	13 NC x 1/2-20 NF	2.50	63.5 mm	2.50	63.5 mm	600 lb	272.2 kg	57.00
17732	1/4-	20 NC	1.00	25.4 mm	1.12	28.4 mm	250 lb	113.4 kg	42.00

\*Do not exceed the safe load

# Threaded Adaptors

## Standard Features

- For coupling isolators with load cells and steel yard rods
- Supplied with jam nuts
- Now in stronger, more durable stainless steel



## Part Number/Price

PART #	A		B		C		D	E	SAFE LOAD*		PRICE
33561	—	—	—	—	2.00 in	50.8 mm	1/4-28 NF	1/4-28 NF	300 lb	136.1 kg	\$22.00
33562	0.94 in	23.9 mm	0.94 in	23.9 mm	2.00 in	50.8 mm	1/4-28 NF	1/4-20 NC	300 lb	136.1 kg	23.00
33563	0.92 in	23.3 mm	1.02 in	25.9 mm	2.06 in	52.3 mm	1/4-28 NF	3/8-24 NF	300 lb	136.1 kg	22.00
33564	0.94 in	23.9 mm	0.94 in	23.9 mm	2.00 in	50.8 mm	1/4-28 NF	3/8-16 NC	300 lb	136.1 kg	22.00
33565	1.06 in	26.9 mm	1.06 in	26.9 mm	2.25 in	57.2 mm	1/4-20 NC	3/8-16 NC	300 lb	136.1 kg	24.00
33567	1.06 in	26.9 mm	1.06 in	26.9 mm	2.25 in	57.2 mm	1/4-28 NF	1/2-13 NC	300 lb	136.1 kg	24.00
33568	—	—	—	—	2.00 in	50.8 mm	3/8-24 NF	3/8-24 NF	500 lb	226.8 kg	33.00
33569	0.91 in	23.1 mm	0.91 in	23.1 mm	2.00 in	50.8 mm	3/8-16 NC	3/8-24 NF	500 lb	226.8 kg	27.00
33570	1.06 in	26.9 mm	1.06 in	26.9 mm	2.25 in	57.2 mm	3/8-24 NF	1/2-13 NC	500 lb	226.8 kg	25.00
33571	1.31 in	33.3 mm	1.31 in	33.3 mm	2.75 in	69.9 mm	1/2-13 NC	5/8-11 NC	3,000 lb	1,360.8 kg	25.00
33572	0.87 in	22.0 mm	0.87 in	22.0 mm	2.00 in	50.8 mm	1/2-13 NC	1/2-20 NF	3,000 lb	1,360.8 kg	27.00
33573	—	—	—	—	2.06 in	52.3 mm	1/2-20 NF	1/2-20 NF	3,000 lb	1,360.8 kg	27.00
33574	1.31 in	33.3 mm	1.31 in	33.3 mm	2.75 in	69.9 mm	1/2-20 NF	5/8-11 NC	3,000 lb	1,360.8 kg	30.00
33575	1.31 in	33.3 mm	1.31 in	33.3 mm	3.00 in	76.2 mm	3/4-16 NF	3/4-10 NC	7,000 lb	3,175.2 kg	32.00

\*Do not exceed the safe load

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.



# ITCM - Isolated Tension Cell Mount Hardware Kits

The Isolated Tension Cell Mount (ITCM) is a mounting assembly designed for tension mounting s-beam load cells in suspended hopper assemblies and mechanical scale conversions. The ITCM incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further guarantee safety to your load cells.

## Applications

- Suspended hoppers
- Mechanical scale conversions
- Replaces traditional eye bolt, isolator configurations

## Standard Features

- Provides greater safety than traditional/suspension configurations
- Complete package for ease of installation
- Built-in electrical isolation without having to use isolators (not available on 20,000 lb/9,071.9 kg version)
- Provides correct load cell loading even in difficult installations
- Dramatically reduces overall length
- Capacities from 100 lb to 20,000 lb (45.4 kg to 9,071.9 kg)
- Clevis mounts with nylon insulating washers
- PTFE-lined rod end ball joints (not available on 20,000 lb/9071.9 kg version)
- Completely isolates load cell from stray currents
- Grounding strap for electrical continuity
- Zinc plated clevis

## Part Number/Price

PART #	LOAD RATING		CLEVIS THREAD	ROD END THREAD	SAFE LOAD*		PRICE
<b>Mild Steel:</b>							
17968	300 lb	136.1 kg	3/8-16	3/8-24	300 lb	136.1 kg	\$195.00
17969	300 lb	136.1 kg	1/2-13	3/8-24	300 lb	136.1 kg	195.00
17894	500 lb	226.8 kg	3/8-16	1/4-28	500 lb	226.8 kg	195.00
17895	500 lb	226.8 kg	1/2-13	1/4-28	500 lb	226.8 kg	195.00
17896	2,000 lb	907.2 kg	1/2-13	1/2-20	2,000 lb	907.2 kg	225.00
17897	2,500 lb	1134.0 kg	5/8-11	1/2-20	2,500 lb	1,134.0 kg	225.00
17898	4,000 lb	1814.4 kg	3/4-10	1/2-20	4,000 lb	1,814.4 kg	225.00
17899	5,000 lb	2268.0 kg	3/4-10	3/4-16	5,000 lb	2,268.0 kg	280.00
17900	10,000 lb	4535.9 kg	1-8	3/4-16	10,000 lb	4,535.9 kg	280.00
17958	15,000 lb (RL20000)	6803.9 kg	1 1/4-7	1-12	15,000 lb	6,803.9 kg	1,025.00
63166	15,000 lb (RL20001)	6803.9 kg	1 1/4-7	1-14	15,000 lb	6,803.9 kg	975.00
17959	20,000 lb**	9071.9 kg	1 1/2-6	1 1/4-12	20,000 lb	9,071.9 kg	925.00
<b>Stainless Steel:</b>							
33630	500 lb	226.8 kg	3/8-16	3/8-24	500 lb	226.8 kg	425.00
33631	300 lb	136.1 kg	1/2-13	3/8-24	300 lb	136.1 kg	425.00
33632	500 lb	226.8 kg	3/8-16	1/4-28	500 lb	226.8 kg	425.00
33633	500 lb	226.8 kg	1/2-13	1/4-28	500 lb	226.8 kg	425.00
33634	2,000 lb	907.2 kg	1/2-13	1/2-20	2,000 lb	907.2 kg	525.00
33635	2,500 lb	1,134.0 kg	5/8-11	1/2-20	2,500 lb	1,134.0 kg	525.00
33636	3,000 lb	1,360.8 kg	3/4-10	1/2-20	3,000 lb	1,360.8 kg	525.00
33637	5,000 lb	2,268.0 kg	3/4-10	3/4-16	5,000 lb	2,268.0 kg	935.00

Hardware kits do not include load cell

\*Do not exceed the safe load

\*\* Not electrically isolated

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

Note: Replacement parts for mounts can be found in the Replacement Parts Catalog.



Mount only - does not include load cell

# Grounding Strap

## Standard Features

- Used in the ITCM assembly
- Tinned copper braid
- Crimped sleeve on ends with .25 in (6.4 mm) hole
- Available in 12 in (304.8 mm), 14 in (355.6 mm), 16 in (406.4 mm), 24 in (609.6 mm) or 32 in (812.8 mm) lengths

## Part Number/Price

PART #	LENGTH		PRICE
17778	12 in	(304.8 mm)	\$12.00
17779	14 in	(355.6 mm)	14.00
17780	16 in	(406.4 mm)	15.00
17781	24 in	(609.6 mm)	16.00
17782	32 in	(812.8 mm)	24.00



Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

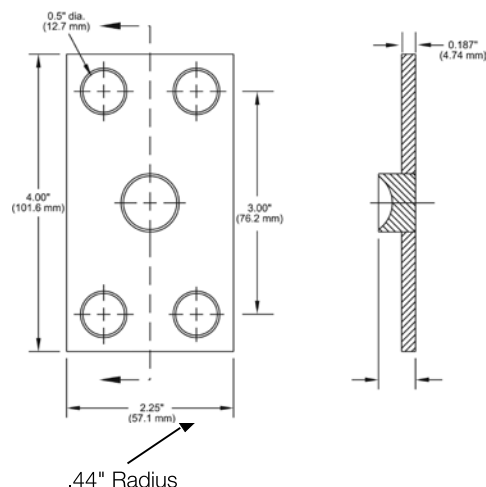
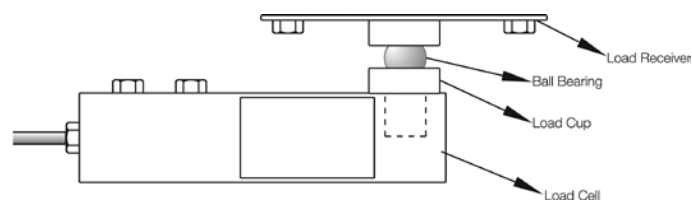
# Load Receiver Plate

## Standard Features

- Design offers accurate point loading
- Self-centering effect built in
- Ease of manufacture for custom applications
- Use with load cup and ball bearings to build a custom scale
- Ball and cup load introduction provides point loading for maximum accuracy
- Stainless steel construction

## Part Number/Price

PART #	DESCRIPTION	PRICE
18832	Load receiver plate	\$50.00 each



## Ball Bearings

### Standard Features

- Use with load cup and load receiver to build a custom scale
- 52100 chrome alloy steel

### Part Number/Price

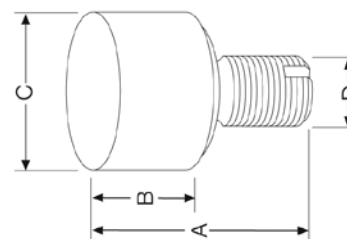
PART #	DRAWING DIMENSIONS	PRICE
18815	5/8 in diameter crush strength 32,000 lb	\$16.00
18816	7/8 in diameter crush strength 59,000 lb	18.00
65841	1.25 in diameter crush strength 100,000 lb	30.00



## Load Cups

### Standard Features

- Ball and cup load introduction provides point loading for maximum accuracy
- For use with most popular single-ended beam load cells



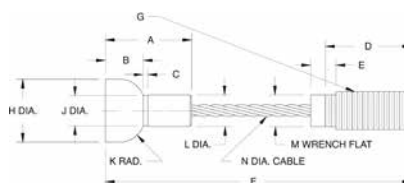
### Part Number/Price

PART #	A		B		C		D		PRICE
31911	1.70 in	43.2 mm	0.54 in	13.7 mm	1.07 in	27.2 mm	1/2-20 NF		\$48.00
33654	1.12 in	28.4 mm	0.54 in	13.7 mm	0.78 in	19.8 mm	1/2-20 NF		34.00
33653	1.50 in	38.1 mm	0.80 in	20.3 mm	1.12 in	28.4 mm	3/4-16 NF		35.00
33652	2.00 in	50.8 mm	0.85 in	21.6 mm	1.75 in	44.5 mm	1-12 NF		85.00
33651	2.85 in	72.4 mm	0.85 in	21.6 mm	1.75 in	44.5 mm	1-12 NF		120.00
33650	2.85 in	72.4 mm	0.85 in	21.6 mm	1.75 in	44.5 mm	1-14 NF		120.00
33647	2.75 in	69.9 mm	0.50 in	12.7 mm	0.75 in	19.1 mm	1/2-20 NF		42.00
72364	1.78 in	45.2 mm	0.53 in	13.4 mm	0.78 in	19.8 mm	1/2-20 NF		58.00
69431	Replacement cup for Cardinal® SCA-50,000 load cell								57.00

# Cardinal® Wire Rope Replacement Assemblies

## Standard Features

- EL208 Cardinal wire rope assembly:  
Used on 7,500 lb (3,402.0 kg) capacity FH model and 8,000 lb (3,628.7 kg) capacity EP model.
- EL209 Cardinal wire rope assembly:  
Used on 20,000 lb (9,071.9 kg) capacity FH and EP models. May also be used on 15,000 lb (6,803.9 kg) capacity FH and EP models.

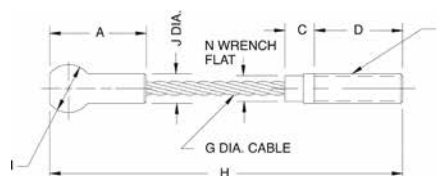


Part # 17767 EL209

## Custom Wire Ropes

### Standard Features

- Custom wire ropes are available for your specific applications
- When ordering, please supply us with the specifications listed on next page, a sample if possible, the required tension rating and total capacity



Part # 17763 EL208

### Part Number/Price

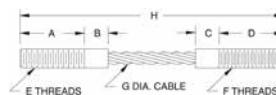
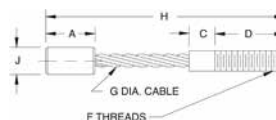
PART #	A	B	C	D	E	F	G	H	I	J	K	L & M	N	PRICE
17763	1.50 in	-	0.50 in	1.50 in	-	1/2-13NC in	0.25 in	6.00 in	0.81 in	0.43 in	-	-	0.43 in	\$65.00
	38.1 mm	-	12.7 mm	38.1 mm	-	-	6.4 mm	152.4 mm	20.6 mm	10.9 mm	-	-	10.9 mm	
17767	1.71 in	0.75 in	0.09 in	2.00 in	0.43 in	6.31 in	3/4-10 UNC-2A in	1.25 in	-	0.60 in	0.50 in	0.625 in	0.375 in	95.00
	43.4 mm	19.1 mm	2.3 mm	50.8 mm	10.9 mm	160.3 mm		31.8 mm	-	15.2 mm	12.7 mm	15.9 mm	9.5 mm	

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

## Wire Rope Assemblies

### Standard Features

- Wire rope assemblies provide better alignment and greatly increase load cell repeatability. In addition, they act as natural vibration dampeners.



### Part Number/Price

PART #	A	B & C	D	E	F	G	H	SAFE LOAD*	PRICE
17760	0.87 in (22.1 mm)	0.50 in (12.7 mm)	0.87 in (22.1 mm)	1/4-20 NC-2A	1/4-28 NF-2A	0.12 in (3.1 mm)	4.00 in (101.6 mm)	400 lb (181.4 kg)	\$45.00
17762	1.25 in (31.8 mm)	0.50 in (12.7 mm)	1.25 in (31.8 mm)	3/8-16 NC-2A	3/8-24 NF-2A	0.18 in (4.6 mm)	5.00 in (127.0 mm)	850 lb (385.6 kg)	53.00
17766	1.62 in (41.1 mm)	0.50 in (12.7 mm)	1.62 in (41.1 mm)	1/2-13 NC-2A	1/2-20 NF-2A	0.25 in (6.4 mm)	6.50 in (165.1 mm)	1,400 lb (635.0 kg)	56.00
17765	1.62 in (41.1 mm)	0.50 in (12.7 mm)	1.62 in (41.1 mm)	1/2-13 NC-2A	1/2-20 NF-2A	0.25 in (6.4 mm)	5.50 in (139.7 mm)	1,400 lb (635.0 kg)	65.00
17764	1.00 in (25.4 mm)	-	1.37 in (34.8 mm)	1/2-20 NF-2A	1/2-20 NF-2A	0.25 in (6.4 mm)	4.00 in (101.6 mm)	1,400 lb (635.0 kg)	85.00
17768	2.00 in (50.8 mm)	-	2.50 in (63.5 mm)	3/8-24 NF-2A	3/8-24 NF-2A	0.12 in (3.1 mm)	5.50 in (139.7 mm)	400 lb (181.4 kg)	125.00
17769**	1.25 in (31.8 mm)	-	0.75 in (19.1 mm)	1/4-28 NF-2A	1/4-28 NF-2A	0.12 in (3.1 mm)	3.00 in (76.2 mm)	400 lb (181.4 kg)	78.00
17771**	1.25 in (31.8 mm)	-	0.75 in (19.1 mm)	1/2-20 NF-2A	1/2-20 NF-2A	0.25 in (6.4 mm)	3.00 in (76.2 mm)	1,400 lb (635.0 kg)	60.00
115292***	1.25 in (31.8 mm)	-	0.75 in (19.1 mm)	1/4-28 NF-2A	1/4-28 NF-2A	0.12 in (3.1 mm)	3.00 in (76.2 mm)	300 lb (181.4 kg)	80.00
33084****	1.31 in (33.2 mm)	-	1.00 in (25.4 mm)	1/2-20NF	1/2-20NF	0.125 in (3.1 mm)	3.00 in (76.2 mm)	850 lb (385.6 kg)	75.00

\*Do not exceed the safe load

\*\*Used with Rice Lake Weighing Systems flexure bases

\*\*\*Stainless steel

\*\*\*\*Used with Rice Lake Weighing Systems FXB flexure bases

# Custom Wire Rope Definition

Customer's Name: \_\_\_\_\_

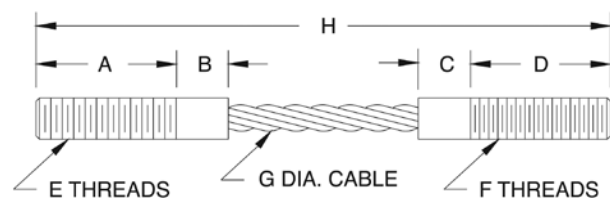
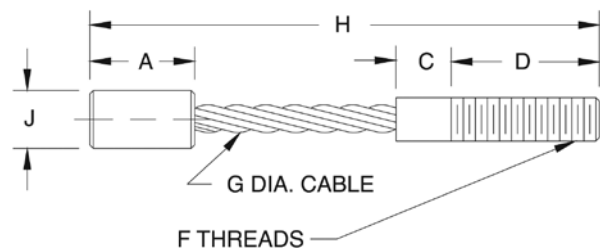
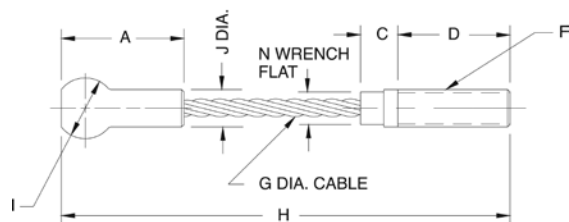
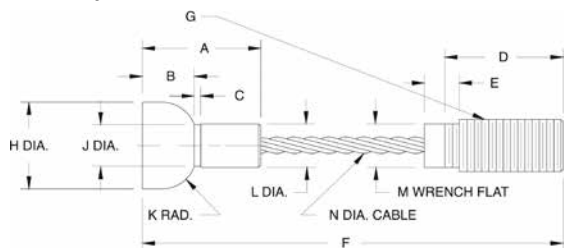
Contact Person: \_\_\_\_\_

Date: \_\_\_\_\_

Application: \_\_\_\_\_

WIRE ROPE*		
A Thread length	F Threads	K Safe load
B Shank length	G Rope diameter	L Environment
C Shank length	H Overall length	M Application
D Thread length	I Ball diameter	
E Threads	J Shank diameter	

\*Use drawings below for reference



Style A



Style B



Style C

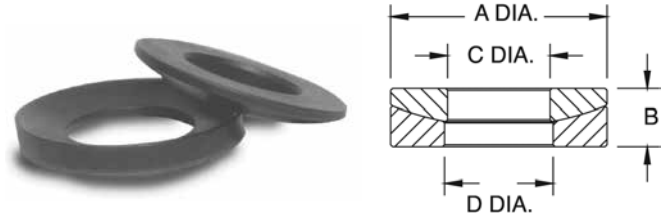


Style D



Style E

# Spherical Washer Sets



## Part Number/Price

PART #	BOLT SIZE	A	B	C	D	PRICE
<b>Mild Steel:</b>						
15196	0.25 in	6.4 mm	0.62 in	15.8 mm	0.20 in	\$11.00
15197	0.38 in	9.7 mm	0.88 in	22.4 mm	0.25 in	14.00
15198	0.50 in	12.7 mm	1.12 in	28.5 mm	0.31 in	15.00
15199	0.62 in	15.8 mm	1.38 in	35.1 mm	0.31 in	15.00
15200	0.75 in	19.1 mm	1.62 in	41.1 mm	0.38 in	21.00
15201	1.00 in	25.4 mm	2.00 in	50.8 mm	0.50 in	33.00
15202	1.25 in	31.8 mm	2.62 in	66.6 mm	0.50 in	64.00
15203	1.50 in	38.1 mm	2.88 in	73.2 mm	0.53 in	70.00
15205	2.00 in	50.8 mm	3.88 in	98.6 mm	0.81 in	110.00
<b>Stainless Steel:</b>						
33218	0.50 in	12.7 mm	1.12 in	28.5 mm	0.31 in	22.00
33220	0.75 in	19.1 mm	1.62 in	41.1 mm	0.38 in	32.00

# Weldless End Links

## Standard Features

- Self colored or hot-dip galvanized
- Forged carbon steel—quenched and tempered



## Part Number/Price

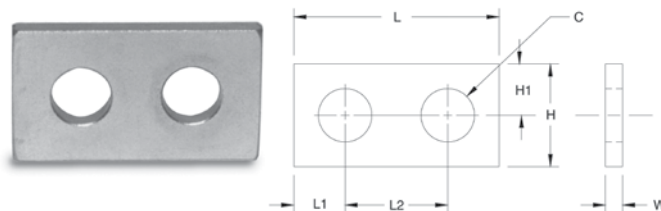
PART #	A	B	C	D	SAFE LOAD*	PRICE
F312L	0.625 in	15.9 mm	1.00 in	25.4 mm	3.25 in	\$45.00
17810	0.875 in	22.2 mm	2.00 in	50.8 mm	5.13 in	150.00
21911	1.00 in	22.2 mm	2.25 in	57.2 mm	5.75 in	295.00
65430	1.25 in	31.8 mm	2.50 in	63.5 mm	7.00 in	135.00
21912	1.375 in	34.9 mm	2.75 in	69.9 mm	7.75 in	425.00

\*Do not exceed the safe load

## Load Cell Spacers

### Standard Features

- Use with most popular single-ended beams
- Provides flat mounting surface required for optimum load cell performance
- Zinc-plated mild steel or stainless steel



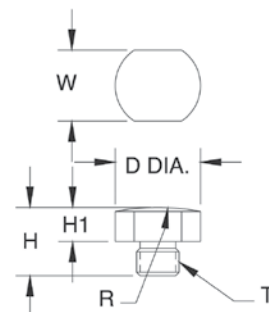
### Part Number/Price

PART #	C	H		H1		L		L1		L2		W		PRICE	
Mild Steel:															
17754	0.53 in	13.4 mm	1.25 in	31.8 mm	0.62 in	15.7 mm	2.25 in	57.2 mm	0.62 in	15.7 mm	1.00 in	25.4 mm	0.25 in	6.4 mm	\$22.00
17755	0.78 in	19.8 mm	1.50 in	38.1 mm	0.75 in	19.1 mm	3.00 in	76.2 mm	0.75 in	19.1 mm	1.50 in	38.1 mm	0.25 in	6.4 mm	22.00
17756	1.03 in	26.2 mm	2.00 in	50.8 mm	1.00 in	25.4 mm	4.00 in	101.6 mm	1.00 in	25.4 mm	2.00 in	50.8 mm	0.25 in	6.4 mm	23.00
18260	0.53 in	13.4 mm	1.25 in	31.8 mm	0.62 in	15.7 mm	2.25 in	57.2 mm	0.62 in	15.7 mm	1.00 in	25.4 mm	0.37 in	9.4 mm	25.00
Stainless Steel:															
17757	0.78 in	19.8 mm	1.50 in	38.1 mm	0.75 in	19.1 mm	3.00 in	76.2 mm	0.75 in	19.1 mm	1.50 in	38.1 mm	0.25 in	6.4 mm	30.00
18383	0.53 in	13.4 mm	1.25 in	31.8 mm	0.62 in	15.7 mm	2.25 in	57.2 mm	0.62 in	15.7 mm	1.00 in	25.4 mm	0.37 in	9.4 mm	26.00
18411	0.53 in	13.4 mm	1.25 in	31.8 mm	0.62 in	15.7 mm	2.25 in	57.2 mm	0.62 in	15.7 mm	1.00 in	25.4 mm	0.25 in	6.4 mm	25.00

## Load Button

### Standard Features

- Suitable for use with compression mounting assemblies, canisters, s-beams and single-ended beams
- Hardened alloy steel



### Part Number/Price

PART #	T	D	H	H1	R	W	PRICE					
17750	3/8-24UNF	0.75 in	19.1 mm	0.60 in	15.2 mm	0.30 in	7.6 mm	2.00 in	50.8 mm	0.63 in	16.0 mm	\$30.00
17751	1/2-20UNF	0.75 in	19.1 mm	0.70 in	17.8 mm	0.30 in	7.6 mm	4.00 in	101.6 mm	0.63 in	16.0 mm	24.00
17752	3/4-16UNF	1.50 in	38.1 mm	0.90 in	22.9 mm	0.30 in	7.6 mm	6.00 in	152.4 mm	1.25 in	31.8 mm	41.00

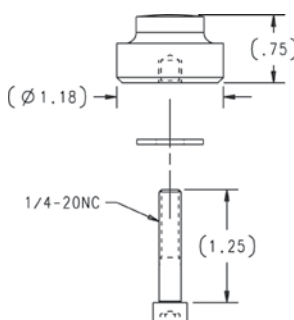
## Load Button Insert Kit

### Standard Features

- To be used with RLSSB and RTISSB load cells (1,000-5,000 lb)
- Hardened alloy steel

### Part Number/Price

PART #	DESCRIPTION	PRICE
26112	Load button insert kit	\$30.00





## Standard Features

- Replacement foot, adapts to most floor scales
- Use with single-ended beams to provide large, flat, adjustable introduction surface
- Special neoprene rubber sandwich base gives high accuracy, linearity and repeatability



## Part Number/Price

PART #	MATERIAL	THREAD SIZE	BASE HT.		TOTAL HT.		DIAMETER		PRICE
18756	Stainless steel	1/2-20 UNF	0.75 in	19.1 mm	2.62 in	66.5 mm	3.47 in	88.1 mm	\$45.00
39021	Mild steel	3/4-16 UNF-2B	0.875 in	22.3 mm	3.25 in	82.3 mm	4.40 in	111.76 mm	86.00
39022	Mild steel	3/4-16 UNF-2B	0.875 in	22.3 mm	4.06 in	103.1 mm	5.40 in	137.16 mm	125.00
110930	Mild steel	1-14 UNF	1.0 in	25.4 mm	4.06 in	103.1 mm	5.40 in	137.16 mm	180.00
42130	Stainless steel	M12			2.62 in	67 mm	3.47 in	88.1 mm	95.00

## Flintec™ Adjustable Rubber Foot

### Standard Features

- Designed for platform scales containing Flintec SLB load cell
- Blind hole introduction
- Low profile
- Height adjustable by rotation
- Including spacer
- Stainless steel



## Part Number/Price

PART #	FOOT DIAMETER		LOAD CELL CAPACITY	PRICE
<b>Flintec SLB, SB4, SB5, SB14 and SB6</b>				
46230	2.36 in	60 mm	200-500 lb	\$56.00
77561	3.14 in	80 mm	1,000-5,000 lb	56.00
<b>Flintec BK2</b>				
87096	3.140 in	80 mm	200 kg-2,000 kg	56.00

## Bench Scale Feet

### Standard Features

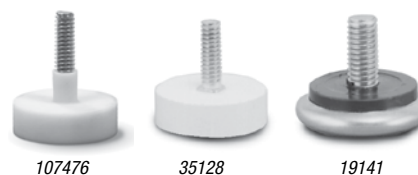
#### Rubber Pad

- 1/4-20NC threads

#### Stainless Steel

- 3/8-16 threads

### Part Number/price



PART #	DESCRIPTION	PRICE
<b>Rubber Pad</b>		
35128	Bench scale feet	\$12.75
107476	CW 90/CW 90X feet	19.00
<b>Stainless Steel</b>		
19141	Bench scale feet	5.50

## Polyurethane Rubber Leveling

### Standard Features

- 3 in (76.2 mm) overall height, all diameters
- Stainless steel stem for corrosion resistance
- Heavy-duty construction, low cost replacement feet
- Four standard diameters all with 1/2-20 UNF stainless steel stud, slotted for top-access applications
- Zinc plated carbon steel jam nut provided
- Top of stud is machined undersize 10% for easy alignment into load cell



### Part Number/Price

PART #	FOOT DIAMETER	HEIGHT	PRICE
74585	1.87 in	3 in	\$28.00
74586	2.00 in	3 in	28.00
74587	2.50 in	3 in	28.00
73801	3.00 in	3 in	28.00

# Captured Ball Floor Scale Leveling Feet

## Standard Features

### Carbon Steel

- Bright zinc and clear chromate plating for corrosion-resistance
- Active ball suspension provides ideal load cell loading with maximum side load protection
- Hardened alloy steel with plated finish
- Includes two jam nuts, one for wrench access
- Top of stud is machined undersize 10% for easy alignment into load cell plus slotted for top-access applications

### Stainless Steel

- Provides outstanding accuracy, repeatability and performance
- Active ball suspension provides optimum load cell performance
- Hardened stainless steel material, welded, with polished finish
- Includes two stainless steel jam nuts, one for wrench access
- Top of stud is machined undersize 10% for easy alignment into load cell plus slotted for top-access applications



Carbon



Stainless Steel

## Part Number/Price

PART #	FOOT DIA.	THREAD SIZE INCHES	HEIGHT	PRICE
<b>Carbon Steel</b>				
74578	1.87 in	1/2-20 UNF	3.5 in	\$40.00
74579	2.00 in	1/2-20 UNF	3.5 in	40.00
74580	2.50 in	1/2-20 UNF	3.5 in	40.00
74581	3.00 in	1/2-20 UNF	3.5 in	40.00
74582	3.00 in	3/4-16 UNF	4.5 in	50.00
74583	3.00 in	1-12 UNF	4.5 in	60.00
74584	3.00 in	1-14 UNF	4.5 in	60.00
<b>Stainless Steel</b>				
74572	1.87 in	1/2-20 UNF	3.5 in	58.00
74573	2.00 in	1/2-20 UNF	3.5 in	58.00
73800	2.50 in	1/2-20 UNF	3.5 in	58.00
74574	3.00 in	1/2-20 UNF	3.5 in	58.00
74575	3.00 in	3/4-16 UNF	4.5 in	68.00
74576	3.00 in	1-12 UNF	4.5 in	88.00
74577	3.00 in	1-14 UNF	4.5 in	88.00
92380*	2.50 in	1/2-20 UNF	3.5 in	58.00

\*Stem is fully threaded

## Leveling Pads

### Standard Features

- Replacement feet, adapt to most floor scales
- Available in cadmium-plated steel or stainless steel
- Simple “swivel” design
- Use with single-ended shear beams or bending beams to provide a large, flat load introduction surface



### Part Number/Price

PART #	THREAD SIZE	HEIGHT	DIAMETER	PRICE
<b>Mild Steel:</b>				
18817	1/2-13 NC	1.12 in	1.87 in	\$25.00
18820	3/4-10 NC	1.50 in	3.00 in	44.00
<b>Stainless Steel:</b>				
18818	1/2-13 NC	1.12 in	1.87 in	59.00
18833	3/4-10 NC	1.50 in	3.00 in	103.00

Used in conjunction with leveling pad stems

## Leveling Mount

### Standard Features

- Designed for use with some floor scales or machinery platforms.
- Can be used as a replacement foot on the “SP” floor scale to limit vibrations transmitted to the scale through the floor
- Provides vibration isolation on most portable platforms



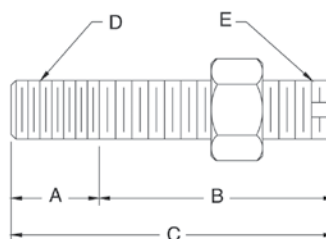
### Part Number/Price

PART #	THREAD SIZE	HEIGHT	DIAMETER	PRICE
18819	1/2-13 NC	1.81 in	5.00 in	\$100.00

## Leveling Pad Stems

### Standard Features

- For use with leveling pads
- One jam nut included



### Part Number/Price

PART #	A	B	C	D	E	SLOT	MATERIAL	PRICE
<b>Mild Steel:</b>								
17693	0.75 in	19.1 mm	2.00 in	50.8 mm	2.75 in	69.9 mm	3/4-10 NC 3/4-16 NF NO	1045 \$16.00
<b>Stainless Steel:</b>								
17689	0.50 in	12.7 mm	1.50 in	38.1 mm	2.00 in	50.8 mm	1/2-13 NC 1/2-20 NF YES	SS 24.00
17695	0.75 in	19.1 mm	2.00 in	50.8 mm	2.75 in	69.9 mm	3/4-10 NC 3/4-16 NF NO	SS 38.00

Warning: Do not use to suspend a load

## RoughDeck® Scale Base

### Standard Features

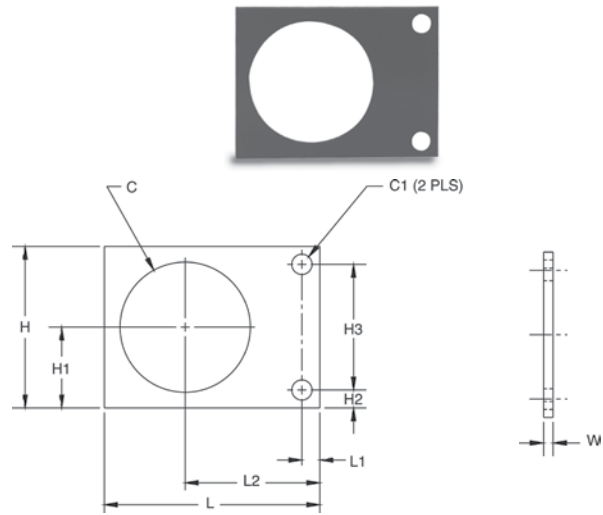
- Secures RoughDeck and other popular floor scales
- Prevents movement in horizontal plane
- Useful with Surefoot™ and other load cell foot assemblies
- Available in stainless steel and mild steel

### Part Number/Price

PART #	DESCRIPTION	PRICE
19075	Mild steel, 1,000-10,000 lb	\$15.00
19076	Stainless steel, 1,000-10,000 lb	18.00

### Dimensions

PART #	C	C1	H	H1	H2	L	L1	L2
19075	3.62 in	0.56 in	4.50 in	2.25 in	0.50 in	6.00 in	0.50 in	3.75 in
19076	3.62 in	0.56 in	4.50 in	2.25 in	0.50 in	6.00 in	0.50 in	3.75 in



## Summit® 3000 Scale Base

### Standard Features

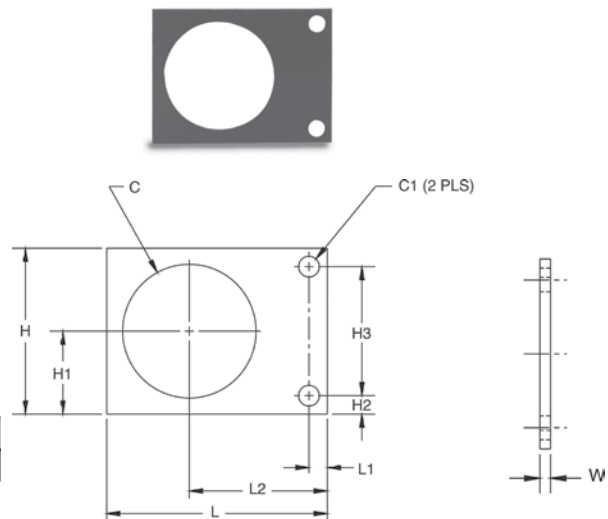
- Mounting plate for Summit® 3000 floor scales
- Available in mild steel painted green

### Part Number/Price

PART #	DESCRIPTION	PRICE
76149	Mild steel, 2,000-10,000 lb	\$15.00

### Dimensions

PART #	C	C1	H	H1	L	L1	L2
76149	3.19 in	0.56 in	4.50 in	2.25 in	6.00	0.50	3.75



## Floor Scale

### Standard Features

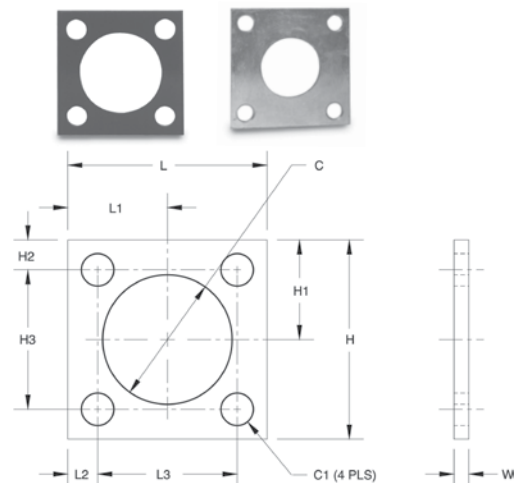
- Suitable for use with leveling pads
- Generic mounting plate for popular floor scales
- Fits most floor scale foot assemblies
- Available in stainless steel and mild steel (mild steel parts are zinc plated/painted)

### Part Number/Price

PART #	DESCRIPTION	PRICE
18737	Mild steel, 1,000-10,000 lb	\$8.00
18738	Mild steel 10,000-20,000 lb	9.00
18751	Stainless steel 1,000-10,000 lb	32.00

### Dimensions

PART #	C	C1	H	H1	H2	H3	L	L1	L2	L3
18737	2.00 in	0.53 in	4.00 in	2.00 in	0.50 in	3.00 in	4.00	2.00	0.50	3.00
18738	3.25 in	0.81 in	5.00 in	2.50 in	0.75 in	3.50 in	5.00	2.50	0.75	3.50
18751	2.00 in	0.53 in	4.00 in	2.00 in	0.50 in	3.00 in	4.00	2.00	0.50	3.00



# Complete Custom Cable Services

## Standard Features

- Special cable requirements
- Custom-built cable designed specifically for your application.
- Choose from the following design elements and Rice Lake Weighing Systems will build a cable to your specifications.
- Quick turnaround
- Competitively priced
- 5000 ft minimum purchase

## Specifications

### Jacket Material:

PVC  
Polyurethane  
Double-jacketed

### Conductors:

Unlimited number  
Twisted pairs  
Color code  
Gauge

### Shielding:

Braided  
Foil

### Jacket Colors:

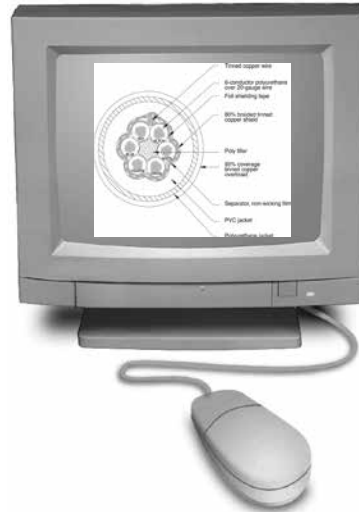
Black, brown, green, orange, red, blue, yellow, gray, natural

### Ink Colors:

Black, white, silver, orange  
Custom logos

### Approvals:

UL listed  
CSA



# EL147RP Plus

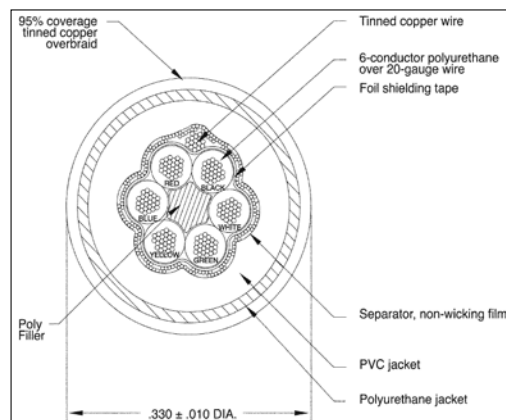
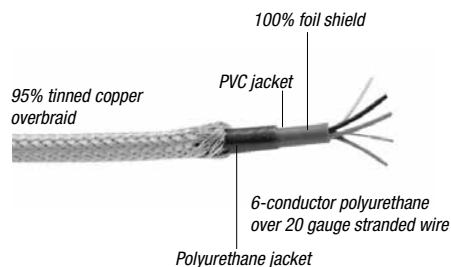
## Rodent Protection Cables

### Standard Features

- Tinned copper overbraid provides superior rodent and abrasion deterrent
- Enhanced EMI/RFI protection
- 6-conductor industry-standard color code
- Ideal for truck and railroad-track scales
- Diameter: 0.33 in (8.38 mm)
- Temperature rating -22°F to 176°F (-30°C to 80°C)
- Jacket coating enhanced with a chemical coating "NAW" that is distasteful to rodents

### Part Number/Price

PART #	CONTINUOUS ROLL	DESCRIPTION	PRICE
31475	Custom length	6-conductor hostile environment cable	\$3.50/ft
131964	100 ft 30.5 m	6-conductor hostile environment cable	325.00
131965	250 ft 76.2 m	6-conductor hostile environment cable	810.00
131966	500 ft 152.4 m	6-conductor hostile environment cable	1,615.00
131967	1000 ft 304.8 m	6-conductor hostile environment cable	2,995.00



EL147RP Plus



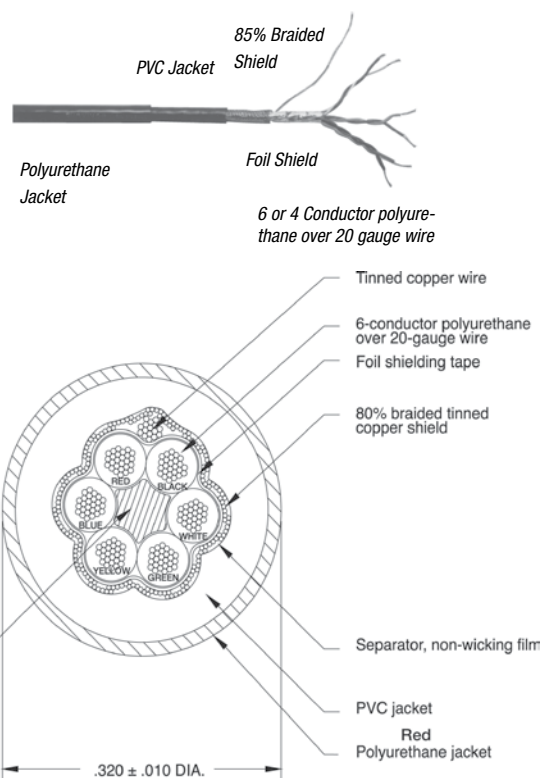
# Hostile Environment Load Cell Cable

## Standard Features

- EL146HE—4-wire load cell cable
- EL147HE—6-wire load cell cable
- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color coded
- Diameter—EL146HE: 0.28 in (7.1 mm); EL147HE: 0.32 in (8.1 mm)
- The 6-wire cable is best suited for longer runs where remote sense lines can be used
- Use the 4-wire cable for repairing or extending existing cable
- Temperature rating: -22°F to 176°F (-30°C to 80°C)
- 500 V rating

## Part Number/Price

PART #	CONTINUOUS ROLL	DESCRIPTION	PRICE
15510	100 ft 30.5 m	4-conductor hostile environment cable	\$150.00
15511	250 ft 76.2 m	4-conductor hostile environment cable	375.00
15512	500 ft 152.4 m	4-conductor hostile environment cable	725.00
15513	1,000 ft 304.8 m	4-conductor hostile environment cable	1,395.00
15494	Custom Length	4-conductor hostile environment cable	1.55/ft
15520	100 ft 30.5 m	6-conductor hostile environment cable	225.00
15521	250 ft 76.2 m	6-conductor hostile environment cable	550.00
15522	500 ft 152.4 m	6-conductor hostile environment cable	1,050.00
15523	1,000 ft 304.8 m	6-conductor hostile environment cable	1,895.00
15496	Custom Length	6-conductor hostile environment cable	2.35/ft



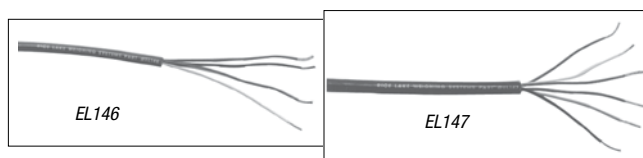
# Standard Load Cell Cable

## Standard Features

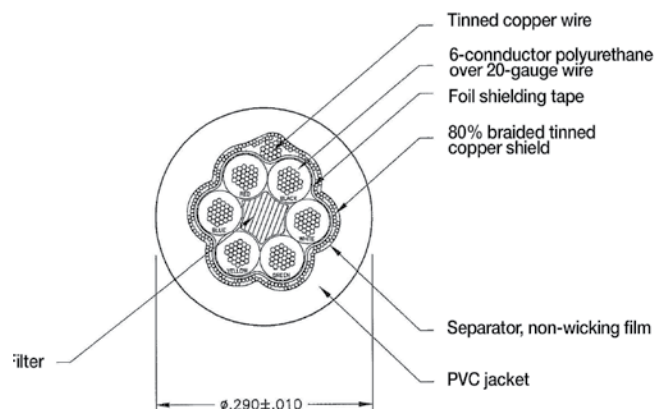
- EL146—4-wire load cell cable
- EL147—6-wire load cell cable
- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color coded
- Diameter—EL146: 0.25 in (6.4 mm); EL147: 0.29 in (7.4 mm)
- The 6-wire cable is best suited for longer runs where remote sense lines can be used
- Use the 4-wire cable for repairing or extending existing cable
- Temperature rating: -22°F to 126°F (-30°C to 80°C)

## Part Number/Price

PART #	CONTINUOUS ROLL	DESCRIPTION	PRICE
15505	100 ft 30.5 m	4-conductor cable	\$120.00
15506	250 ft 76.2 m	4-conductor cable	275.00
15507	500 ft 152.4 m	4-conductor cable	550.00
15508	1000 ft 304.8 m	4-conductor cable	895.00
15493	Custom Length	4-conductor cable	1.25/ft
15515	100 ft 30.5 m	6-conductor cable	185.00
15516	250 ft 76.2 m	6-conductor cable	435.00
15517	500 ft 152.4 m	6-conductor cable	825.00
15518	1000 ft 304.8 m	6-conductor cable	1,595.00
15495	Custom Length	6-conductor cable	1.95/ft



## APPROVALS



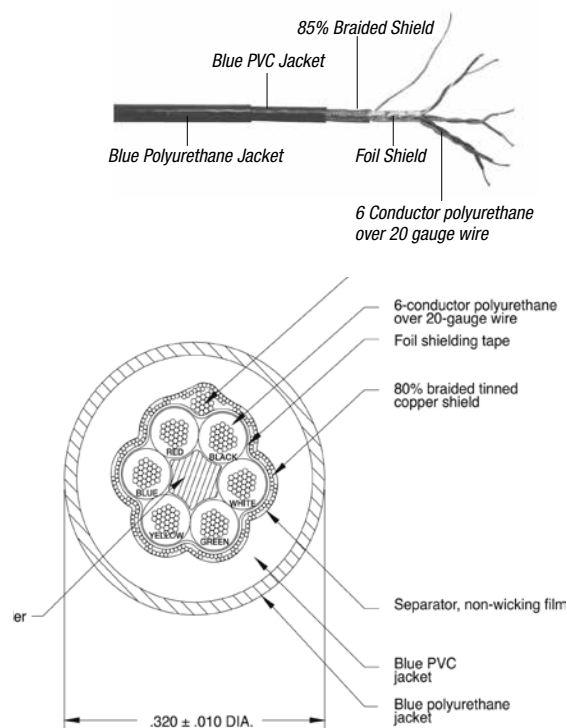
## EL147IS Hazardous Environment Blue Jacket Cable

### Standard Features

- Designed for intrinsically safe applications (must be wired according to Factory Mutual System-approved diagram)
- Polyurethane over PVC double jacketing provides superior chemical and abrasion resistance
- Both foil and braided wire shields for added RFI and EMI protection
- 6-conductor is industry-standard color coded (Also available 3-conductor)
- Diameter - 0.32 in (8.1 mm)
- Suited for longer runs where remote sense lines can be used
- Temperature rating: -22°F to 176°F (-30°C to 80°C)

### Part Number/Price

PART #	DESCRIPTION	PRICE
32817	EL147IS, 6-conductor	\$2.85/ft
72241	HE blue jacket, shielded 3-conductor	2.25/ft



## EL144 Communications Cable

### Standard Features

- 2-conductor with bare ground
- RFI/EMI protected with foil shield
- 20 gauge conductors
- Perfect for RS-232, 2-wire RS-485 and 20 mA current loop communications
- Diameter: 0.19 in (4.8 mm)

### Part Number/Price

PART #	DESCRIPTION	PRICE
32803	EL144	\$0.85/ft
72691	100 ft	75.00
72072	EL144, 500 ft	395.00
72693	EL144, 1,000 ft	695.00



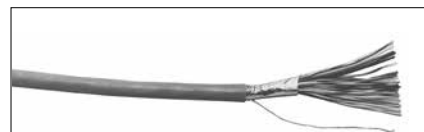
## BCD Cable

### Standard Features

- Sheathed in gray PVC
- Mylar aluminum foil shield with stranded tinned copper drain wire
- Diameter: 0.375 in (9.5 mm)

### Part Number/Price

PART #	DESCRIPTION	PRICE
15497	BCD, 24 AWG, 30-conductor	\$21.00/ft



## Fiber Optic Cable

### Standard Features

- Duplex cable polyethylene black jacket material
- 4.4 + 0.10 mm outer diameter of duplex cable
- 2.2 + 0.007 mm single cable outer diameter
- Operating temperature: 32°F to 158°F (-55°C to 70°C)

### Part Number/Price

PART #	DESCRIPTION	PRICE
78910	Custom length	\$1.35/ft
78026	100 ft cable (30.48 m)	135.00
78027	200 ft cable (60.96 m)	270.00
78028	300 ft cable (91.44 m)	405.00
83052*	Fiber optic connector	40.00
80892	Fiber optic cable cutter	9.00
85548	Fiber optic hot knife	48.00

\*Duplex fiber cable requires two connectors

\*Maximum guaranteed transmission distance when used with the 320IS/IO module is 240 ft



Color Code: Black-TXD, Blue-RXD

## SURVIVOR® EL620HE High Temperature Cable

### Standard Features

- Multiconductor overall foil and braid shield
- Suitable for temperatures from -40°F to 392°F (-40°C to 200°C)
- Insulation thickness - 0.010 in (0.25 mm)
- Jacket thickness - 0.017 in (0.43 mm)
- 18 gauge, tinned copper conductors
- 6 wire or 6-conductor
- FEP jacket, resistant to chemical corrosion and high temperature
- Aluminum-polyester shield with 85% tinned copper braid shield
- 150 V NEC 725 Class 2 classified for use in an airplenum non-conduit
- 0.24 in diameter cable

### Part Number/Price

PART #	DESCRIPTION	PRICE
15605	EL620HE	\$9.75/ft



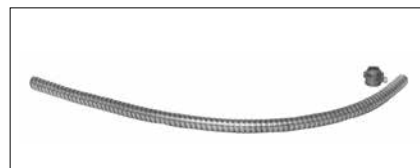
## SURVIVOR® Cable Armor

### Standard Features

- Flexible all metal protective armor
- Ideal for protecting load cell cable from mechanical abrasion or rodents
- Available in stainless steel and galvanized steel
- 0.5 in (12.7 mm) internal diameter, 2.0 in (50.8 mm) minimum bend radius
- Optional end fitting with 1/2 in male pipe thread

### Part Number/Price

PART #	DESCRIPTION	PRICE
17808	Galvanized steel	\$3.55/ft
17806	Stainless steel	4.30/ft
17807	Optional end fitting	1.95 each



# EL148 HE Replacement Mettler Toledo® Power Cell® Cable

## Standard Features

- 100% stainless steel military connector-electro deposited nickel plating with stainless banding and epoxy heat-shrink strain relief
- Stainless steel artic ring precision cut for improved connection
- Textured rubber boot for additional grip
- Standard Mettler Toledo color code
- Custom lengths available including standard lengths listed below cables

## Part Number/Price

PART #	CABLE LENGTH EACH	PRICE
100268	8 ft	\$325.00
101102	12 ft	335.00
104164	15 ft	338.00
100269	26 ft	375.00
100270	35 ft	385.00



## Load Cell Conduit Adaptors

### Standard Features

- Used to adapt conduit to load cells
- 303 stainless steel

### Dimensions

PART #	A	B	PRICE
<b>Thread-On:</b>			
31533	3/8-24 UNF	—	\$30.00
31534	—	1/4-18 NPT	30.00
31535	5/8-18 UNF	1/2-14 NPT	30.00

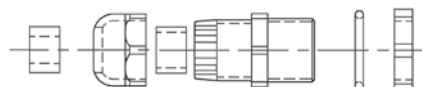
Note: 31533 and 31534 are used together to form male-to-male adaptor



## Cord Grip Assemblies

### Standard Features

- Assemblies include cord grip, locknut, O-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon



## Part Number/Price

GLAND CABLE RANGES								
Part #	Thread	Panel Hole Diameter		Regular (Black)		Reducer (Gray)		Price
15669	PCN9	0.625 in	15.9mm	0.157-0.314 in	4.0-8.0mm	0.118-.236 in	3.0-6.0 mm	\$4.65
15670	3/8 NPT	0.687 in	17.4 mm	0.157-0.314 in	4.0-8.0 mm	0.118-.236 in	3.0-6.0 mm	4.30
15671	1/2 NPT	0.844 in	21.4mm	0.236-0.472 in	6.0-12.0mm	0.200-.354 in	5.1-9.0mm	4.90

## EL214 Cable Splicing Kit

### Standard Features

- Designed for a complete, professional transducer cable splice
- Prevents moisture from entering the load cell through the cable connector

*Each kit contains a high-impact plastic splicing box, liquid-tight cable fittings, circuit card, PTFE sleeving, pre-measured potting compound and complete instructions*

### Specifications

#### Dimensions:

(W x H x D) 3.00 x 1.00 x 1.50 in (76.2 x 25.4 x 38.1 mm)

#### Mounting Centers:

2.50 in (63.5 mm)

#### Number of Connections:

7

#### Cable Diameter:

0.187 in-0.312 in (4.7 mm-7.9 mm)

#### Cure Time For Potting:

Epoxy-polyamide resin cures in 2 hours at 73°F (23°C)



### Part Number/Price

PART #	DESCRIPTION	PRICE
15485	EL214	\$125.00

## EL214T Cable Splicing Kit

### Standard Features

- Designed to accommodate cables larger than the EL214; all other dimensions and performance features are the same

### Specifications

#### Dimensions:

(W x H x D) 3.00 x 1.00 x 1.50 in (76.2 x 25.4 x 38.1 mm)

#### Mounting Centers:

2.50 in (63.5 mm)

#### Number of Connections:

7

#### Cable Diameter:

0.270 in-0.480 in (6.9 mm-12.2 mm)

#### Cure Time For Potting:

Epoxy-polyamide resin cures in 2 hours at 73°F (23°C)



### Part Number/Price

PART #	DESCRIPTION	PRICE
15486	EL214T	\$135.00

## EL215 Cable Splicing Kit

### Standard Features

- Designed for use in weather-exposed or direct-burial locations
- Each kit contains plastic splicing tube, circuit board, insulating resin and instructions

### Specifications

#### Dimensions:

(W x L) 1.375 in x 6.0 in (34.9 in x 152.4 mm)

#### Number of Connections:

7

#### Cable Diameter:

up to .75 in (19.1 mm)

#### Cure Time For Potting:

2 hours at 70°F (21°C)



### Part Number/Price

PART #	DESCRIPTION	PRICE
15612	EL215	\$80.00

# Flintec™ Load Cell Cable Replacement Kits

## Standard Features

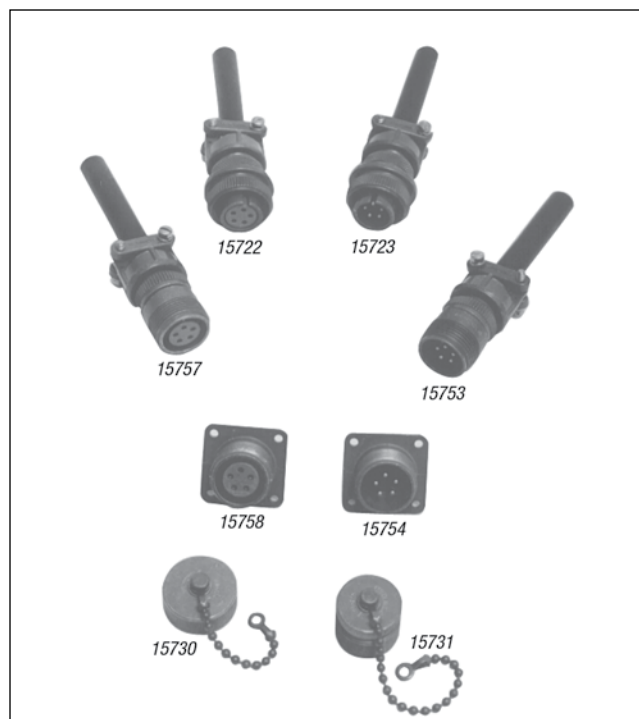
- Each kit includes cable for four Flintec SB4 or UB1 load cells as listed

## Part Number/Price

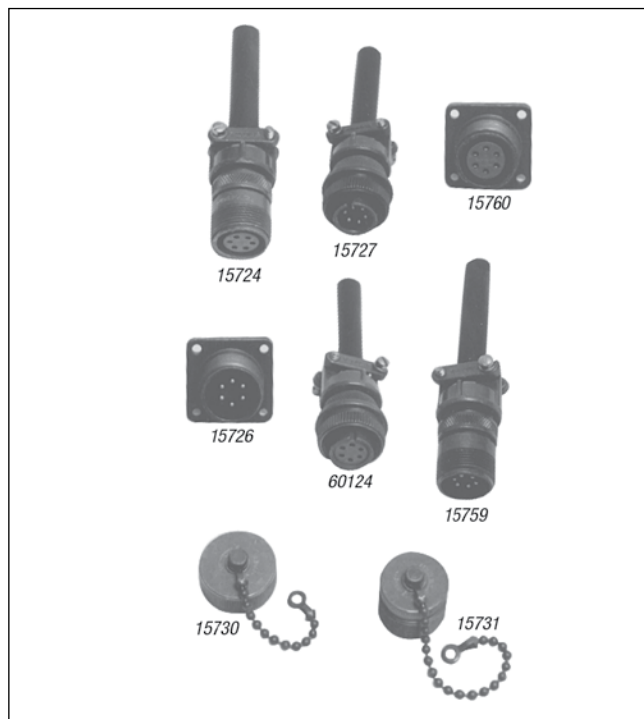
PART #	DESCRIPTION	CABLE LENGTH EA. FEET (M)		PRICE
18412	For SB4, 225-5,200 lb (102.1-2358.7 kg)	10 ft	3.1 m	\$350.00
18413	For SB4, 11,250-22,500 lb (5,103-10,206 kg)	15 ft	4.6 m	375.00



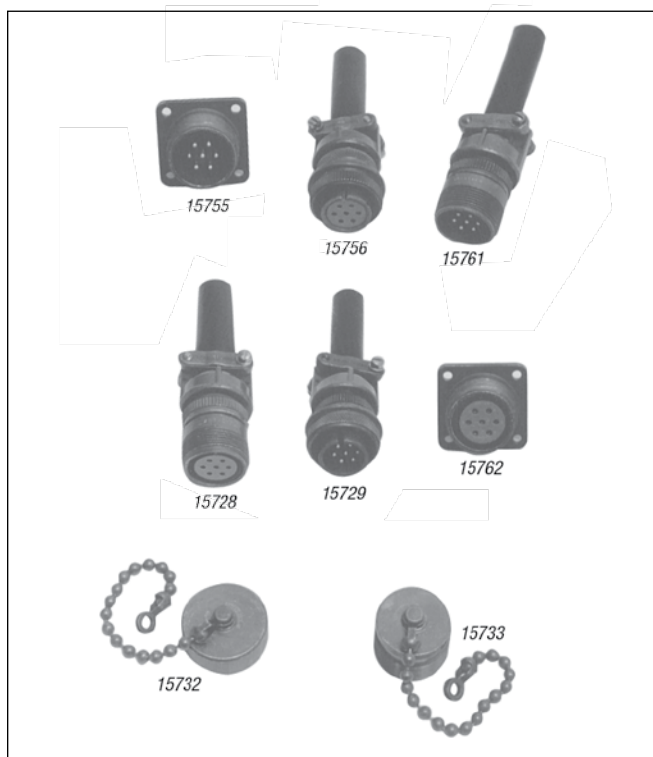
## 5-Position Connectors, Shell Plugs, Receptacles



## 6-Position Connectors, Shell Plugs, Receptacles



## 7-Position Connectors, Shell Plugs, Receptacles



### Part Number/Price

PART #	DESCRIPTION	PRICE
15753	5-Pin, external thread	\$28.00
15722	5-socket, internal thread	29.00
15723	5-Pin, internal thread	28.00
15757	5-socket, external thread	34.00
15754	5-Pin chassis mount, external thread	20.00
15758	5-socket chassis mount, external thread	20.00
15730	Dust cap for ext. thread 5-position connector	11.00
15731	Dust cap for int. thread 5-position connector	15.00
15759	6-Pin, external thread, male	28.00
60124	6-socket, internal thread connector, female fits Toledo load cells, Condec indicators	24.00
15727	6-Pin, internal thread, male	27.00
15724	6-socket, external thread	31.00
15726	6-Pin chassis mount, external thread	20.00
15760	6-socket chassis mount, external thread	19.00
15730	Dust cap for ext. thread 6-position connector	11.00
15731	Dust cap for int. thread 6-position connector	15.00
15761	7-Pin, external thread	29.00
15756	7-socket, internal thread	31.00
15729	7-Pin, internal thread	31.00
15728	7-socket, external thread	31.00
15755	7-Pin chassis mount, external thread	20.00
15762	7-socket chassis mount, external thread	23.00
15732	Dust cap for ext. thread 7-position connector	16.00
15733	Dust cap for int. thread 7-position connector	27.00



## T-Grip Molding

### Standard Features

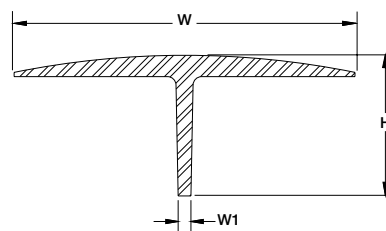
- Designed for use in truck scale applications to prevent spill-over into the pit
- Impact, tear, and weather-resistant EPDM rubber
- Barbed web to hold molding in place
- Web thickness 0.22 in (5.6 mm)
- Available by the foot or in 10.0 ft (3.1 m), 11.0 ft (3.4 m), 70.0 ft (21.34 m), 80.0 ft (24.4 m) and 100.0 ft (30.5 m) lengths. Maximum continuous length is 450 ft (137 m)



### Part Number/Price

PART #	H		W		W1		LENGTH	PRICE
18799	2.56 in	65.0 mm	5.75 in	146.1 mm	0.22 in	5.6 mm	Sold by the foot	\$7.25/ft
18800	2.56 in	65.0 mm	5.75 in	146.1 mm	0.22 in	5.6 mm	10 ft 3.05 m	72.50
18801	2.56 in	65.0 mm	5.75 in	146.1 mm	0.22 in	5.6 mm	11 ft 3.35 m	79.75
18802	2.56 in	65.0 mm	5.75 in	146.1 mm	0.22 in	5.6 mm	70 ft 21.34 m	475.00
33219	2.56 in	65.0 mm	5.75 in	146.1 mm	0.22 in	5.6 mm	80 ft 24.4 m	515.00
33222	2.56 in	65.0 mm	5.75 in	146.1 mm	0.22 in	5.6 mm	100 ft 30.5 m	650.00

Note: Maximum continuous length is 450 ft. Call for price and availability.



## T-Strip Molding

### Standard Features

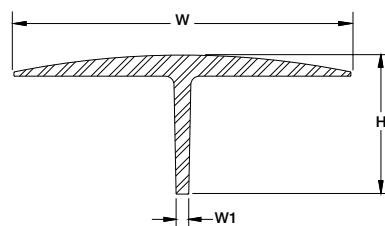
- Designed for use in truck scale applications to Prevent spill-over into the pit
- Impact, tear, and weather-resistant SBR rubber
- Web thickness .25 in (6.4 mm)
- Available by the foot or in 10.0 ft (3.1 m), 11.0 ft (3.4 m), 70.0 ft (21.34 m), 80.0 ft (24.4 m) and 100.0 ft (30.5 m) lengths. Maximum continuous length is 450 ft (137 m)



### Part Number/Price

PART #	H		W		W1		LENGTH	PRICE
18736	2.00 in	50.8 mm	4.50 in	114.3 mm	0.25 in	6.4 mm	Sold by the foot	\$6.75/ft
18776	2.00 in	50.8 mm	4.50 in	114.3 mm	0.25 in	6.4 mm	10 ft/3.05 m	67.50
18797	2.00 in	50.8 mm	4.50 in	114.3 mm	0.25 in	6.4 mm	11 ft/3.35 m	74.25
18798	2.00 in	50.8 mm	4.50 in	114.3 mm	0.25 in	6.4 mm	70 ft/21.34 m	435.00
33223	2.00 in	50.8 mm	4.50 in	114.3 mm	0.25 in	6.4 mm	80 ft/24.4 m	485.00
33224	2.00 in	50.8 mm	4.50 in	114.3 mm	0.25 in	6.4 mm	100 ft/30.5 m	585.00

Note: Maximum continuous length is 450 ft. Call for price and availability.



# Electronic Scale Tickets

## Hecon® Printers, EL522 & EL516 - 20266

### Standard Features

- Carbon triplicate interleaved
- Size: (W x L) 4.25 in x 7.875 in (127 mm x 200 mm)
- Order quantity: 500 per package

20266

DATE _____	No. _____
SELLER _____	
BUYER _____	
ADDRESS _____	
CITY _____	STATE _____ ZIP _____
GROSS _____	
TARE _____	
NET _____	
DRIVER ON <input type="checkbox"/> OFF <input type="checkbox"/> WEIGHED BY _____	
FORM 510	

## SP2200, SP2000, RL250 & EL500 - 20265

### Standard Features

- Carbon triplicate interleaved, perforated and glued on one end
- Size: (W x L) 5.5 in x 9 in (139.7 mm x 228.6 mm)
- Order quantity: 500 per package

20265

ELECTRONIC SCALE TICKET		No. _____
DATE _____		
SELLER _____		
BUYER _____		
ADDRESS _____		
CITY _____	STATE _____	ZIP _____
COMMODITY _____		
PRICE _____		
REMARKS _____		
DRIVER <input type="checkbox"/> ON <input type="checkbox"/> OFF _____		
WEIGHER _____		
Form ES-4		

## Rice Lake Scales - 71630 or 105182

### Standard Features

- Carbonless duplicate or triplicate
- Size: (W x L) 4.25 in x 7 in (107 mm x 177.8 mm) attached at 4.25 side
- Order quantity: 500 per package
- Custom (duplicate):
- Add company name (min. order 5 packs - \$48.00 ea)
- Custom (triplicate):
- Add company name (min. order 5 packs - \$68.00 ea)

Customer Name: _____
Driver On <input type="checkbox"/> Driver Off <input type="checkbox"/>
Customer Signature: _____
<b>RICE LAKE</b>

## Blank Scale Ticket - 22263

### Standard Features

- 3-part carbonless
- White, canary yellow, and pink
- Size: (W x L) 4.25 in x 5.5 in (108 mm x 140 mm)
- Attached at 4.25 edge
- Custom - Add company name (min. order of 2,500 - \$0.20 ea)

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## Part Number/Price

PART #	DESCRIPTION	PRICE
20266	Hecon printers, EL522 & EL516, 500/pack	\$92.00
20265	SP2200, SP2000, EL250 & EL500, 500/pack	95.00
71630	Rice Lake ticket, 2 part, 500/pack	50.00
105182	Rice Lake ticket, 3 part, 500/pack white, canary yellow, pink	72.00
22263	Blank scale ticket, each	0.22 each



## Scale Veils

Protect your electronic scales, weight indicators and printers with a scale veil. Reduce costly repairs and downtime due to moisture penetrating through instrument enclosures during cleanup or operation.

### Standard Features

- Tough, flexible transparent vinyl, constructed with heavy-duty stitching
- Loose fit allows for operation of switches or controls through the scale veil
- Available for most types of scale equipment



### Part Number/Price

PART #	MODEL	PRICE
<b>RICE LAKE</b>		
21210	SP2000/SP2200	\$75.00
<b>EPSON®</b>		
29582	TM290/295	55.00
35666	TM-U200 TM-U220	60.00
111840	TM-U590	65.00
<b>Oki-Data®</b>		
21208	Oki-Data 184 Turbo Printer	65.00
21226	Oki-Data 320/390	65.00

*Custom veils and specials available; consult factory.*

# Cables



## Part Number/Price

PART #	DESCRIPTION	PRICE
<b>Interface Cables for SP-2200, TM-U295, TM-U590 and Star® Printers</b>		
15547	Blunt end, 25-Pin D-sub male RS-232 serial interface cable	\$65.00
15548	25-Pin D-sub male to 25-Pin D-sub male 20 mA serial interface cable (SP2200 only)	65.00
15568	25-Pin D-sub male to 25-Pin D-sub male RS-232 serial interface cable	65.00
Consult	Custom 20 mA/RS-232 serial interface cable	110.00
<b>Interface Cables for I-Class</b>		
15547	Blunt end, 25-Pin D-sub male RS-232 serial interface cable	65.00
Consult	Custom RS-232 interface cable	110.00
<b>Interface Cables for Eltron® desktops, E-4203 and M-4206</b>		
41276	DB9 male RS-232 cable to blunt end	65.00
<b>Straight Cable</b>		
50749	DB9 female to DB9 female	55.00
41279	DB25 male to DB9 male	65.00
70056	DB9M to DB9F	35.00
<b>Null Modem Cable</b>		
66535	DB9F to DB9 female, null modem	45.00
64794	DB9F to DB9M, null modem, 6ft	65.00
<b>USB Cable</b>		
79074	USB-A to USB-B	30.00
153603	USB to 9-Pin male RS-232 adaptor	85.00
156806	USB 2.0 A to A, 1 m	30.00
156807	USB 2.0 A to A, 3 m	45.00
156808	USB 2.0 A to A, 5 m	55.00
156809	USB 2.0 to USB-B male type A	45.00
156815	USB 2.0 to USB-B male stype A to male type B micro, 3 m	50.00
156811	USB 2.0 to USB-B male stype A to male type B micro, 5 m	65.00
156817	Ethernet CAT.5E RJ45 1 m	30.00
156818	Ethernet CAT.5E RJ45 3 m	37.00
156821	Ethernet CAT.5E RJ45 5 m	45.00
<b>Ethernet Cable/RJ45</b>		
72697	RJ45 to RJ45, 7 ft (patch)	35.00
78860	RJ45 to RJ45, cross over 7 ft	35.00
75594	RJ45 to 9-Pin female	65.00
<b>Adaptors/Gender Changers</b>		
119064	Female to female DB9 null modem adaptor	Consult
165698	Femal to male DB9 gender changer	Consult
130789	Female to male DB9 null modem adaptor	Consult
<b>Blunt End Cables</b>		
22436	DB9F	Consult
130213	DB25M	Consult

Blunt-end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus 355, IQ plus 390-DC, IQ plus 510, IQ plus 590-DC, IQ plus 710, IQ plus 800, and IQ plus 810, 520 and 920®

Custom cables are designed to interface with your specific equipment. Please specify equipment model number and connector type. Standard cable length is 5 ft (1.5 m).



156809 (1 m)  
156811 (3 m)  
156815 (5 m)



156817 (1 m)  
156818 (3 m)  
156821 (5 m)



156806 (1 m)  
156807 (3 m)  
156808 (5 m)

## Static Brushes

PART #	STATICMASTER PART #	DESCRIPTION	PRICE
76669	1C200	Static brush 1 in	\$131.00
76670	1C200R	Replacement cartridge	85.00



## Static Brushes

PART #	STATICMASTER PART #	DESCRIPTION	PRICE
76671	3C500	Static brush 3 in	\$199.00
76672	3C500R	Replacement cartridge	134.00



## Ionizing Strips

PART #	STATICMASTER PART #	DESCRIPTION	PRICE
76677	1U400	Ionizing unit 1 in x 1 in	\$134.00
76678	1U200	Ionizing unit 1 in x 1 in	85.00



## Ionizing Strips

PART #	STATICMASTER PART #	DESCRIPTION	PRICE
76676	2U500	Ionizing unit 1 in x 3 in	\$134.00

## Ionizing Strips Accessories

PART #	STATICMASTER PART #	DESCRIPTION	PRICE
76679	BF1	Ionizer positioner	\$69.00
76680	BF2	Ionizer positioner only - C bracket	98.00



## Desiccants

### Standard Features

- Packets
- Bagged desiccants to protect your enclosed electronic components from moisture and humidity
- Useful in junction boxes, indicators and all scale electronics

### Part Number/Price

PART #	DESCRIPTION	PRICE
16038	Mini Pax® 7 g	\$1.15
16039	NatraSorb® 20 g	2.10
92240	3 g	1.15



## Industrial Corrosion Inhibitor

### Standard Features

- Our best indicator protection
- Special chemical combination provides superior protection
- Protects 5 cubic feet/1.4 cubic meters of enclosure volume for approximately one year
- Dimensions: (W x H) 2.5 in x 1.5 in (63.5 mm x 38.1 mm)

### Part Number/Price

PART #	DESCRIPTION	PRICE
16037	Corrosion inhibitor	\$30.00



## Crimper and Lead Seals

### Standard Features

#### Crimper

- 5.0 in (127.0 mm) seal press with two 0.5 in (12.7 mm) engraving dies
- Chrome finish
- Maximum number of characters that can be engraved on die is 9
- Compound leverage
- Quick delivery on custom dies

#### Lead Seals

- 25 in (6.4 mm) heavy duty seal with galvanized steel wire
- Length-16.0 in (406.4 mm)

### Part Number/Price

PART #	DESCRIPTION	PRICE
21111	Crimper and 2 die blanks	\$130.00
15318	Crimper die blank (replacements)	55.00
15317	100 seals/pkg	45.00





## Static Control Table Mat and Floor Mat

An absolute must for every workbench, this kit includes a 3-layer, 2 ft x 4 ft table mat, 4 ft x 6 ft floor mat, ground cord and adjustable wrist strap. Designed specifically for energized circuit work, the static control table and floor mat provide superior protection against ESD.

### Part Number/Price

PART #	DESCRIPTION	PRICE
34265	Static control table mat and floor mat	\$825.00



## Static Control Wrist Strap

The single most important personal accessory for protecting ESD-sensitive components and circuits, this wrist strap protects against charges from the body. The wrist strap consists of a comfortable elastic cuff or band and a detachable conductive cord for grounding the wrist band.

### Part Number/Price

PART #	DESCRIPTION	PRICE
34263	Static control wrist strap	\$50.00



## Static Shielding Bags

This static shield bag offers total ESD protection, whether you're transporting ESD-susceptible products across the room or across the country. The outer layer of the bag consists of an abrasion-resistant polyester, while the antistatic polyethylene inner layer retards triboelectric static charging from inside the bag.

### Part Number/Price

PART #	DESCRIPTION	PRICE
16150	Static shielding bags, 8 in x 10 in	\$1.10 each
16151	Static shielding bags, 12 in x 18 in	3.25 each



## Static-Safe Service Kit

### Standard Features

- Eliminates static for safe board replacement
- Connects a field service technician and the static-safe work surface to the same ground point
- Harmlessly drains static charges from the body and from any conductive objects placed on the mat
- Folds into a compact unit for transport and storage

### Part Number/Price

PART #	DESCRIPTION	PRICE
32818	Static-safe service kit	\$185.00



## Portable Megometer

### Standard Features

- Load cell insulation tester
- Easy to use, accurate and reliable
- Designed for strain gauge transducer testing

### Part Number/Price

PART #	DESCRIPTION	PRICE
36253	Portable megometer	\$695.00



## Rice Lake's Scale Technician Kits

Take Rice Lake's commitment to customer service into the field. Rice Lake's Scale Technician Kit has everything you need in one convenient backpack to troubleshoot and repair wherever you are.

### PN 166205

#### **Technician Tool Kit \$995.00**

RLWS backpack  
 Simulator with vernier  
 Digital volt meter  
 Communication Kit  
 Document Kit



### PN 166204

#### **Communication Kit \$125.00**

Cinch sack  
 Document Kit  
 6-in-1 screwdriver  
 Small RLWS screwdriver  
 Test LEDs  
 USB to serial converter  
 DB9M to DB9F straight cable  
 DB9F to blunt end cable  
 DB25M to blunt end cable  
 Female to female DB9 null modem adaptor  
 Female to male DB9 gender changers  
 Null modem adaptor  
 TCP/IP patch cable  
 TCP/IP crossover cable



### PN 166203

#### **Document Kit \$10.00**

Pinouts for a DB9 and DB 25 cable shows both male and female connectors  
 Pinouts and color codes for a patch and crossover Ethernet cable  
 Recommended maximum cabling distances of RS-232, 20mA, 485, and Ethernet TCP/IP  
 Standard ASCII chart in both decimal and hexadecimal  
 Links to website to download latest version of Revolution® and iRev® (on CD)  
 Link to freeware terminal program download (PUTTY, Hercules, RealTerm. etc.)  
 Load cell color wire chart  
 Weigh Modules and Vessel Weighing Handbook PN 43918  
 Load Cell Weigh Module Handbook PN 22054



# Junction Boxes/Simulators

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available in Spanish

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## JB4SS

TuffSeal® Signal Trim Junction Box

### Standard Features:

- Stainless steel, NEMA Type 4X enclosure
- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: 2, 3 or 4 single cells
- Expansion port

### Applications:

- Floor, tank, hopper scales

### Specifications:

#### Cable Fittings:

##### PN 88956:

- (4) PG7 0.118-0.255 strain relief
- (2) PG11 0.197-0.394 strain relief
- (1) PreVent™ breather vent

##### PN 107700:

- (4) PG9 0.138-0.315 strain relief
- (2) PG11 0.197-0.394 strain relief
- (1) PreVent™ breather vent

#### Enclosure:

Stainless steel NEMA Type 4X

#### Connectors:

Spring clamp screwless, 12-28 AWG

#### Trimming:

Individual cell, signal trim

#### Potentiometers:

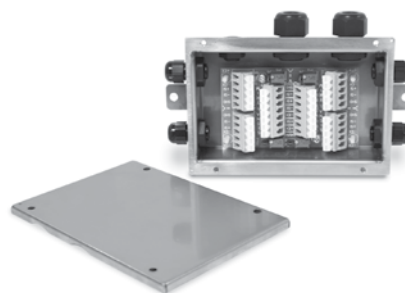
100,000 ohm, 25 turn cermet

#### Circuit Board:

3.8 x 2.3 in (96.5 x 58.4 mm), with conformal coating

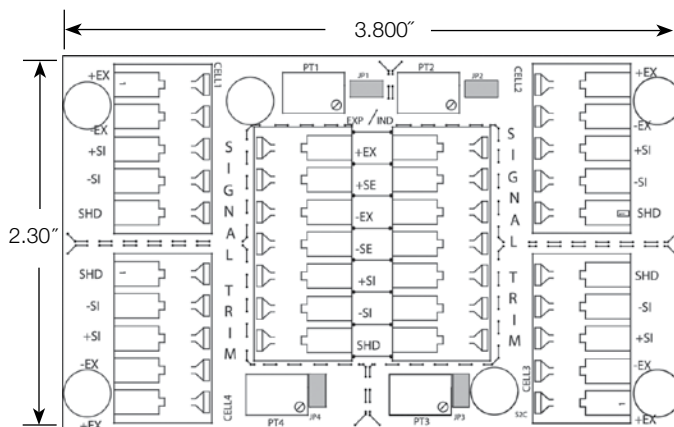
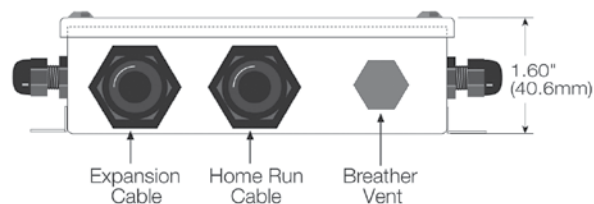
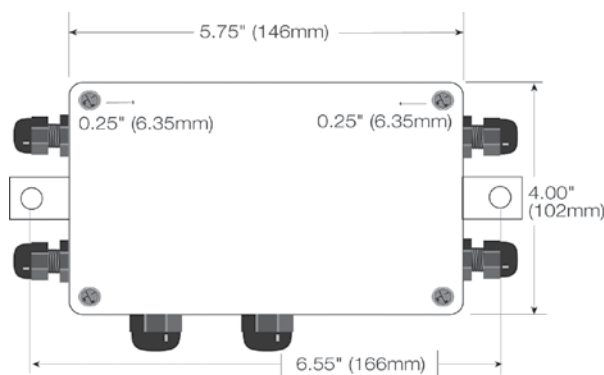
#### Warranty:

One-year limited warranty



### Part Number/Price

PART #	DESCRIPTION	PRICE
88956	JB4SS signal trim junction box with PG7 cord grips for load cells	\$235.00
107700	JB4SS signal trim junction box with PG9 cord grips for load cells	250.00
88958	Board only	150.00
165271	Enclosure only (Includes cord grip and filter)	115.00



# JB4ES

TuffSeal® Excitation Trim Junction Box

## Standard Features:

- Stainless steel, NEMA Type 4X enclosure
- Jumpers to enable trimming
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: 2, 3 or 4 single cells
- Expansion port

## Applications:

- Floor, tank, hopper scales

## Specifications:

### Cable Fittings:

- (4) PG7 0.118-0.255 strain relief
- (2) PG11 0.197-0.394 strain relief
- (1) PreVent breather vent

### Enclosure:

Stainless steel NEMA Type 4X

### Connectors:

Spring clamp screwless, 12-28 AWG

### Trimming:

Individual cell, excitation trim

### Potentiometers:

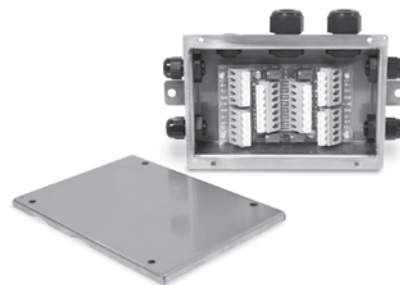
100K ohm, 25 turn cermet

### Circuit Board:

3.8 x 2.3 in (96.5 x 58.4 mm), with conformal coating

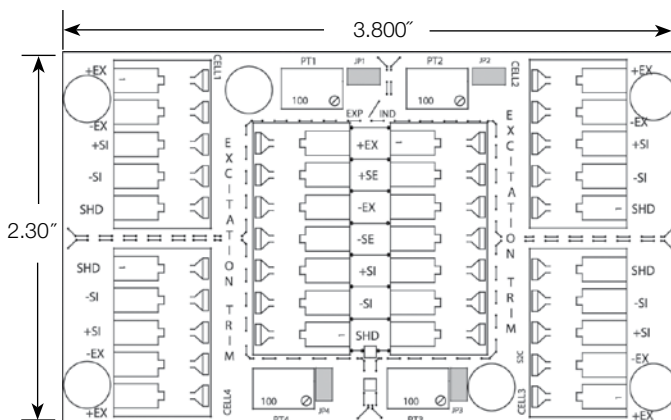
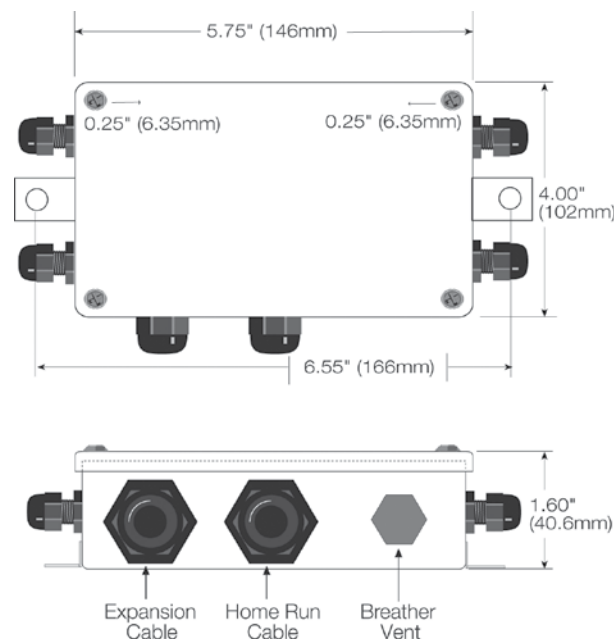
### Warranty:

One-year limited warranty



## Part Number/Price

PART #	DESCRIPTION	PRICE
91779	JB4ES excitation trim junction box	\$235.00
89446	Board only	150.00
165271	Enclosure only (Includes cord grip and filter)	115.00



## JB4SP and JB4SPT

TuffSeal® Signal Trim Junction Box

### Standard Features:

- Fiberglass Reinforced Polyester (FRP), NEMA Type 4X enclosure with stainless steel cover screws
- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: 2, 3 or 4 single cells
- Expansion port

### Applications:

- Tank and hopper scales

### Specifications:

#### Cable Fittings:

- (4) PG7 0.118-0.255 strain relief
- (2) PG11 0.197-0.394 strain relief
- (1) PreVent breather vent

#### Enclosure:

Molded FRP NEMA Type 4X enclosure with overlapping solid cover, stainless steel screws

#### Connectors:

Spring clamp screwless, 12-28 AWG

#### Trimming:

Individual cell, signal trim

#### Potentiometers:

100K ohm, 25 turn cermet

#### Circuit Board:

3.8 x 2.3 in (96.5 x 58.4 mm), with conformal coating

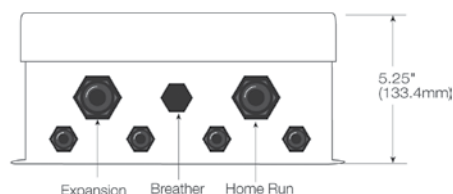
#### Warranty:

One-year limited warranty

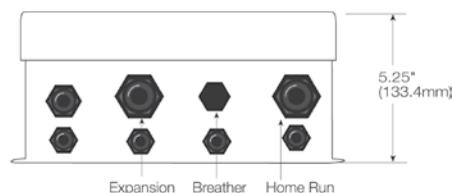


### Part Number/Price

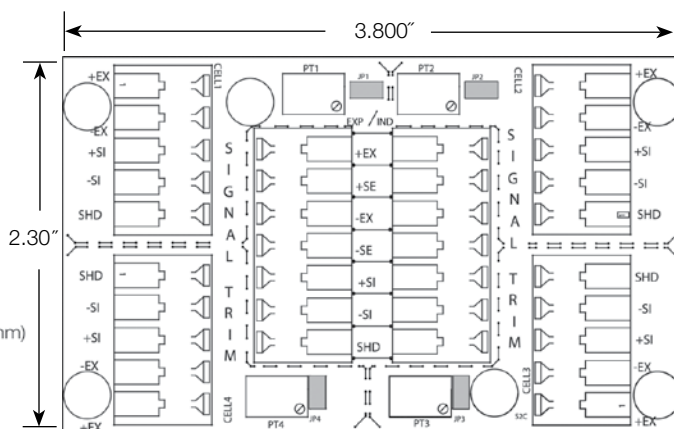
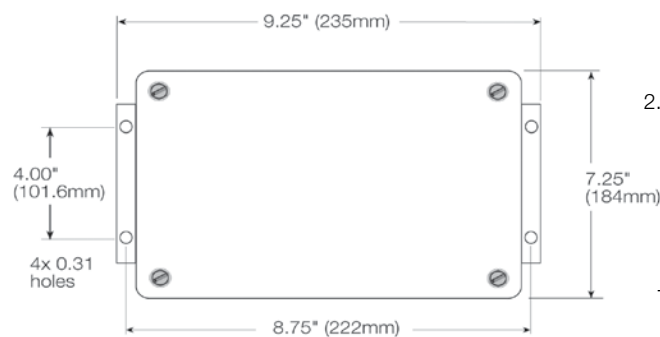
PART #	DESCRIPTION	PRICE
91780	JB4SP signal trim 4-channel with expansion	\$255.00
92762	JB4SPT signal trim with transient protection	445.00
88958	Board only	150.00
89894	Transient board	215.00
165272	Enclosure only (does not include cord grip and filter)	285.00



JB4SP



JB4SPT





## JB4EP and JB4EPT

TuffSeal® Excitation Trim Junction Box

### Standard Features:

- Fiberglass Reinforced Polyester (FRP), NEMA Type 4X enclosure with stainless steel cover screws
- Jumpers to enable trimming
- PreVent™ breather vent
- Conformal coated circuit board
- Number of cells: 2, 3 or 4 single cells
- Expansion port

### Applications:

- Tank and hopper scales

### Specifications:

#### Cable Fittings:

- (4) PG7 0.118-0.255 strain relief
- (2) PG11 0.197-0.394 strain relief
- (1) PreVent breather vent

#### Enclosure:

Molded FRP (NEMA Type 4X) enclosure with overlapping solid cover, stainless steel screws

#### Connectors:

Spring clamp screwless, 12-28 AWG

#### Trimming:

Individual cell, excitation trim

#### Potentiometers:

100K ohm, 25 turn cermet

#### Circuit Board:

3.8 x 2.3 in (96.5 x 58.4 mm), with conformal coating

#### Warranty:

One-year limited warranty

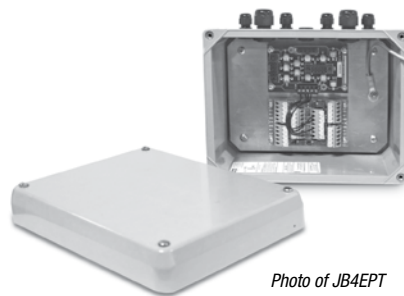
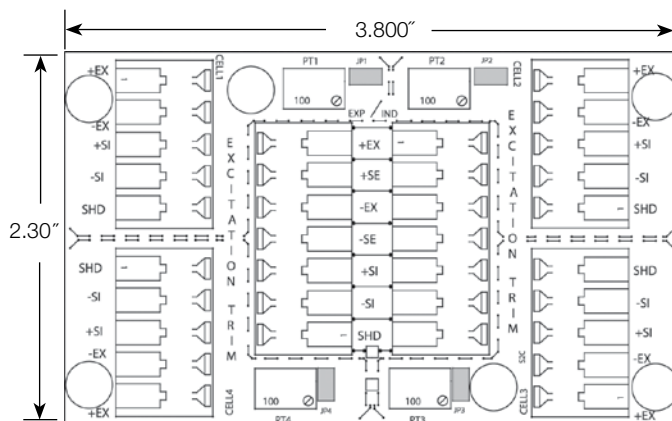
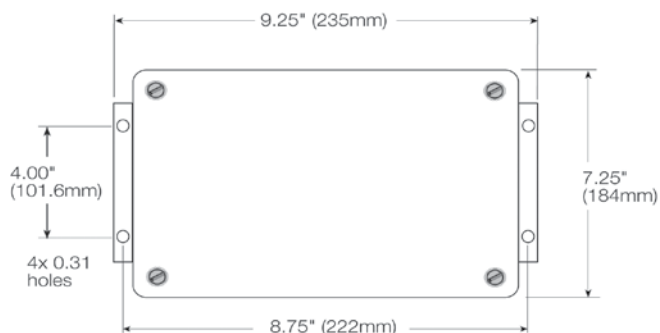
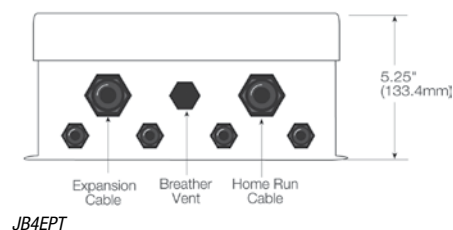
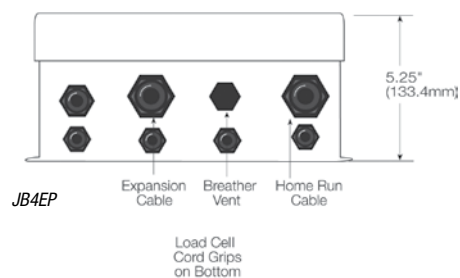


Photo of JB4EPT



### Part Number/Price

PART #	DESCRIPTION	PRICE
91781	JB4EP excitation trim junction box	\$255.00
92763	JB4EPT excitation trim junction box with transient protection	445.00
89446	Board only	150.00
89894	Transient board	215.00
165272	Enclosure only (does not include cord grip and filter)	285.00



## EL204

### Signal Trim Junction Box

#### Standard Features:

- ABS enclosure with molded-in cable fittings
- Premium screw terminals
- 6-screw attachment to lid, die cut gasket for superior environment protection
- Number of cells: 2, 3 or 4 single cells

#### Applications:

- Floor, hopper, tank or livestock applications

#### Specifications:

##### Cable Fittings:

Five water tight nylon compression fittings, 0.210 x 0.280 in (5.3 x 7.1 mm)

##### Connectors:

Spring clamp screwless, 12-28 AWG

##### Trimming:

Individual cell trim, signal trim

##### Potentiometers:

100K ohm, 25 turn cermet

##### Enclosure:

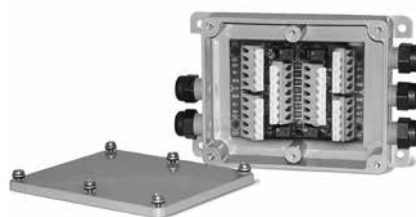
ABS with molded through-fittings, sealed 6-screw lid

##### Circuit Board:

3.8 x 2.3 in (96.5 x 58.4 mm); with conformal coating

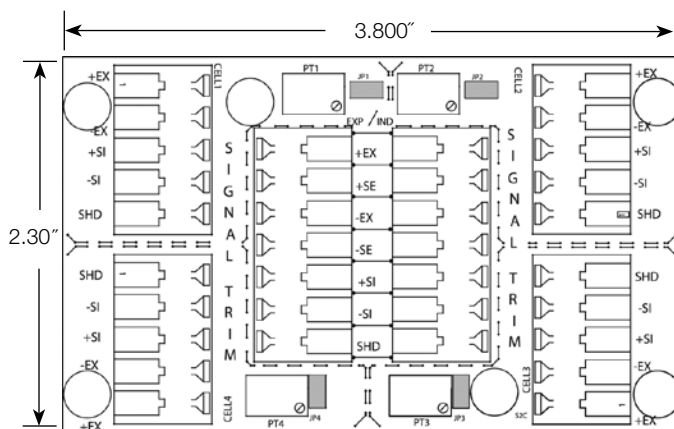
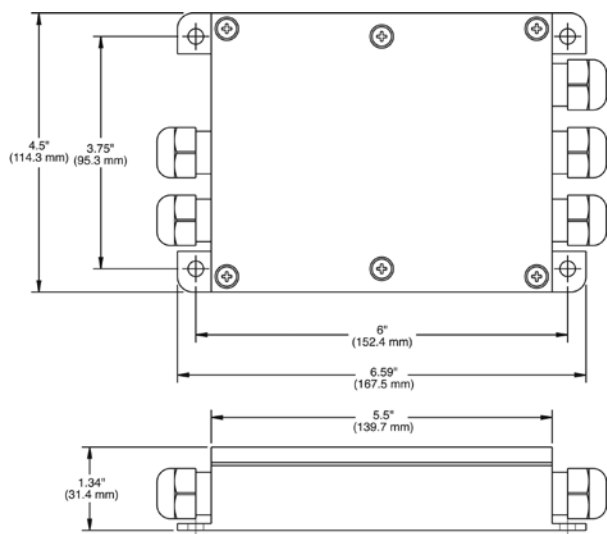
##### Warranty:

One-year limited warranty



#### Part Number/Price

PART #	DESCRIPTION	PRICE
73428	EL204 junction box	\$185.00
88958	Board only	150.00



## EL504

### Signal Trim Junction Box

#### Standard Features:

- Stainless steel, NEMA Type 4X enclosure
- Strain relief cable fittings
- Removable connectors for easy wiring
- Number of cells: 2 or 4 single cells (even number of cells only)
- Any unused channels require modification

#### Applications:

- Truck and floor scales
- Limited space installations

#### Specifications:

##### Cable Fittings:

(5) nylon 0.187 in-0.312 in (4.7 mm-7.9 mm) cable strain reliefs

##### Connectors:

Electrovert 0.197 in (5.0 mm) miniature two piece connectors. Maximum wire size # 14 AWG, connectors are removable for easy wiring.

##### Trimming:

Individual cell trim, signal trim

##### Potentiometers:

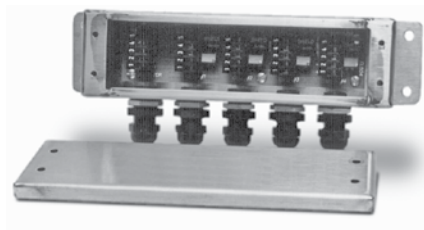
100K ohms, 25-turn cermet

##### Enclosure:

Stainless steel NEMA Type 4X, 40 PSI washdown

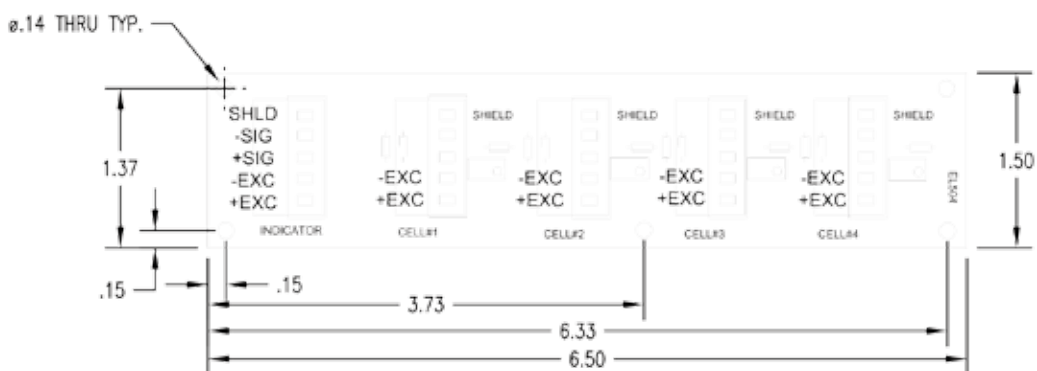
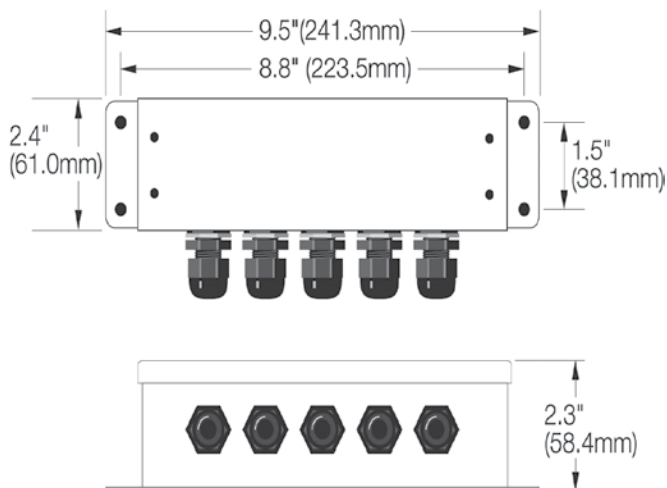
##### Circuit Board:

6.5 x 1.5 in (165.1 x 38.1 mm) with anti-fungal coating



#### Part Number/Price

PART #	DESCRIPTION	PRICE
21165	EL504 signal trim junction box	\$325.00
21296	Board only	255.00
165274	Enclosure only	145.00



## JB8SP

TuffSeal® Signal Trim Junction Box

### Standard Features:

- Fiberglass Reinforced Polyester (FRP), NEMA Type 4X enclosure
- PreVent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Number of cells: 2, 4, 6 or 8 single load cells (even number only)
- Expansion port

### Applications:

- Truck, livestock and railroad scales

### Specifications:

#### Cable Fittings:

- (9) 3/8 in NPT 0.157 in-0.314 in
- (2) 1/2 in NPT 0.272 in-0.472 in
- (1) PreVent breather unit

#### Enclosure:

Molded FRP NEMA Type 4X enclosure with overlapping solid cover, stainless steel screws

#### Connectors:

Pluggable screw type, 12-28 AWG

#### Trimming:

Individual cell trim, range

#### Potentiometers:

100K ohm, 25 turn cermet

#### Circuit Board:

5.7 x 7.2 in with conformal coating

#### Warranty:

One-year warranty



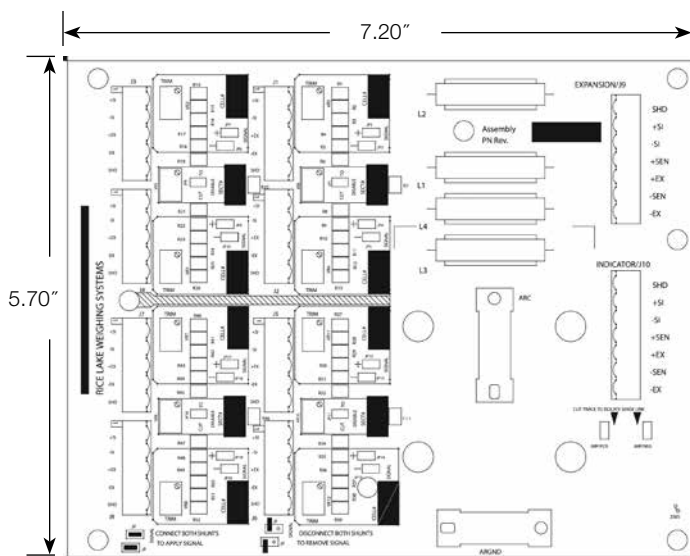
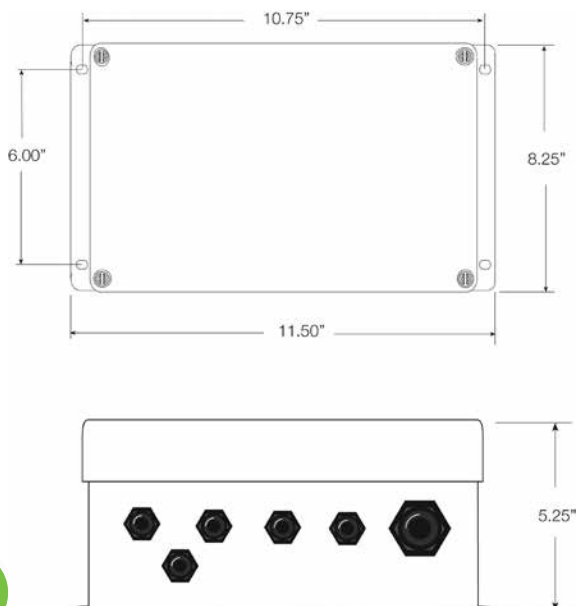
### Part Number/Price

PART #	DESCRIPTION	PRICE
91782	JB8SP signal trim 8-channel with expansion	\$425.00
89889*	Board only	365.00
165273	Enclosure only (does not include cord grip and filter)	295.00

\* For Rev. B and new boards

### Options/Accessories

PART #	DESCRIPTION	PRICE
92734	Coupling, 1/2 in NPT cord grip to 3/4 in NPT conduit fitting	\$25.00
92735	Coupling, 3/8 in NPT cord grip to 3/4 in NPT conduit fitting	25.00



# JB8SPT

TuffSeal® Signal Trim Junction Box

## Standard Features:

- Fiberglass Reinforced Polyester (FRP), NEMA Type 4X enclosure
- PreVent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Field replaceable transient protection
- (1) coupling, 1/2 in NPT cord grip to 3/4 in NPT conduit fitting for homerun cable
- Number of cells: 2, 4, 6 or 8 single load cells (even number only)
- Expansion board

## Applications:

- Truck, livestock and railroad scales

## Specifications:

### Cable Fittings:

- (9) 3/8 in NPT 0.157 in-0.314 in
- (2) 1/2 in NPT 0.272 in-0.472 in
- (1) PreVent breather unit

### Enclosure:

Molded FRP, NEMA Type 4X enclosure with overlapping solid cover, stainless steel screws

### Connectors:

Pluggable screw type, 12-28 AWG

### Trimming:

Individual cell trim

### Potentiometers:

100K ohm, 25 turn cermet

### Circuit Board:

5.7 x 7.2 in with conformal coating

### Warranty:

One-year warranty



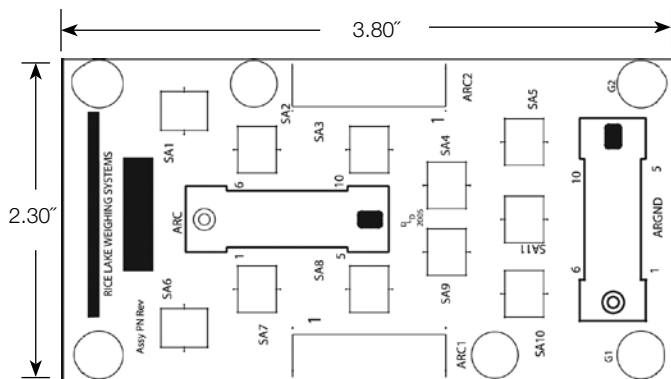
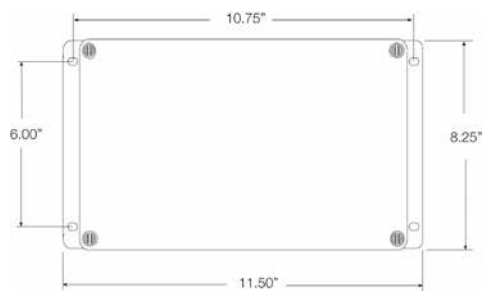
## Part Number/Price

PART #	DESCRIPTION	PRICE
91783	JB8SPT signal trim junction box with transient protection	\$625.00
89889*	Board only	365.00
89894	Transient board	215.00
165273	Enclosure only (does not include cord grip and filter)	295.00

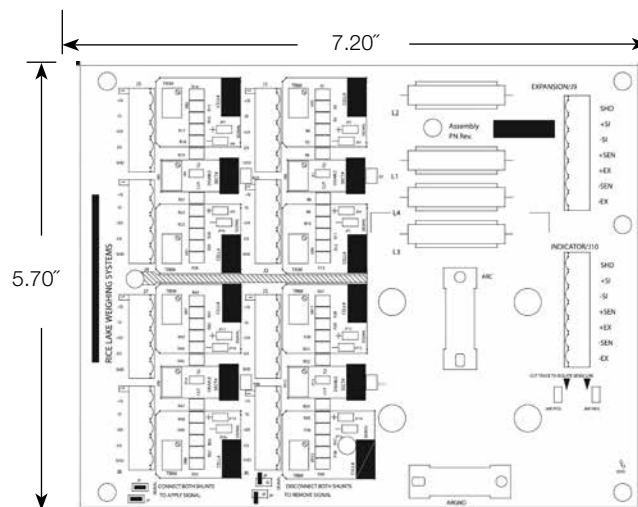
\* For Rev. B and newer boards

## Options/Accessories

PART #	DESCRIPTION	PRICE
92734	Coupling, 1/2 in NPT cord grip to 3/4 in NPT conduit fitting	\$25.00
92735	Coupling, 3/8 in NPT cord grip to 3/4 in NPT conduit fitting	25.00



Transient Board



## EL304A

### Signal Trim Junction Box

#### Standard Features:

- Fiberglass-Reinforced Polyester (FRP), NEMA Type 4X enclosure
- Strain relief cable fittings
- Individual cell signal disconnect switches
- Number of cells: 2 or 4 single cells (even number of cells only)
- Expansion port

#### Applications:

- Livestock scales
- Tank and vessel weighing
- Corner and/or section trim applications

#### Specifications:

##### Cable Fittings:

- 4 nylon cable strain reliefs 0.079 in-0.236 in (2.0 mm-6.0 mm)
- 2 nylon cable strain reliefs 0.236 in-0.354 in (6.0 mm-9.0 mm)

##### Connectors:

Electrovert 0.197 in (5.0 mm) miniature screw terminals. Maximum wire size # 14 AWG

##### Trimming:

Individual cell and section, signal trim

##### Potentiometers:

100K ohm, 25-turn cermet

##### Enclosure:

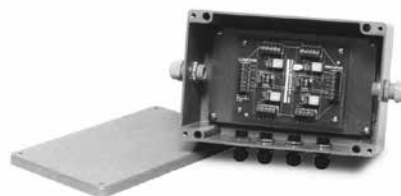
FRP NEMA Type 4X, 40 PSI washdown

##### Circuit Board:

5.5 x 4 in (139.7 x 101.6 mm) with anti-fungal coating

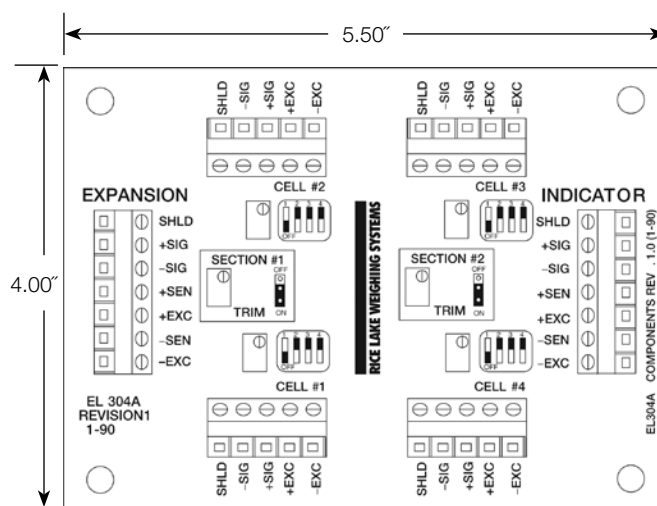
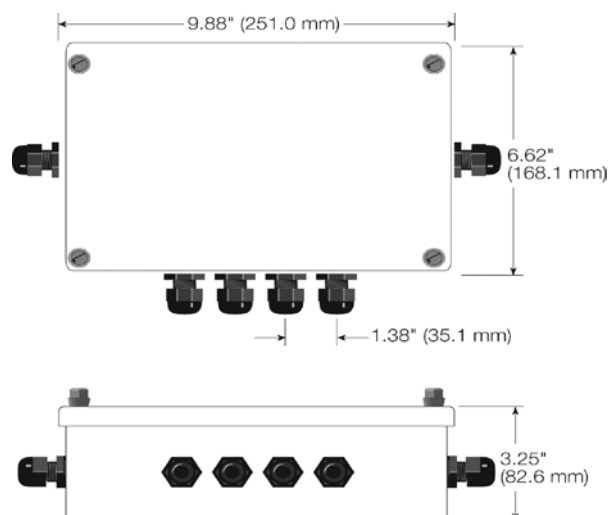
##### Warranty:

One-year limited warranty



#### Part Number/Price

PART #	DESCRIPTION	PRICE
21169	EL304A signal trim 4-channel junction box	\$295.00
21301	Board only	215.00
165275	Enclosure only (includes cord grip)	145.00



# JB1010T

## Signal/Excitation Trim Junction Box with Transient Protection

### Standard Features:

- Fiberglass Reinforced Polyester (FRP), NEMA Type 4X enclosure
- Transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings
- Number of cells: 1 through 10
- Trims odd numbers of cells without modification

### Applications:

- Tank, truck, railroad, hopper and floor scales
- Universal field replacement of existing boxes
- Expansion of existing scales

### Specifications:

#### Mounting Centers:

3.75 x 2.31 in (95.2 x 58.7 mm)

#### Cable Fittings:

Nylon waterproof strain-relief type

#### Cable Diameter:

0.079 in-0.314 in (2.0 mm-8.0 mm)

#### Potentiometers:

100K ohms, 25 turns cerment

#### Trimming:

Individual cell and section signal and excitation trimming

#### Terminal Block:

Rated 300V/15A; 7-position screw terminal can each accommodate up to #16 AWG

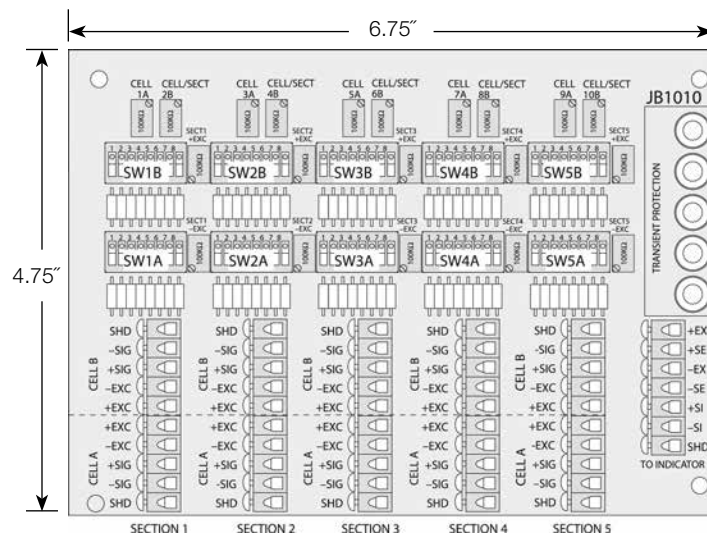
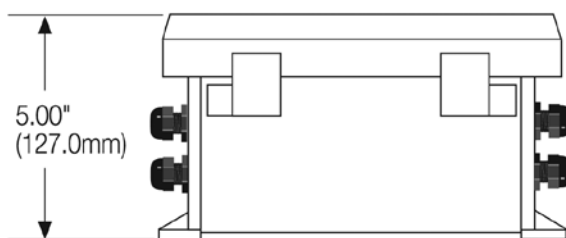
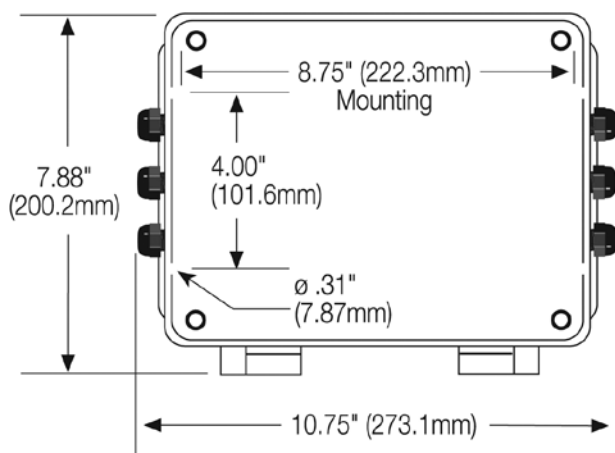
#### Warranty:

One-year limited warranty



### Part Number/Price

PART #	DESCRIPTION	PRICE
36231	JB1010 signal/excitation trim junction box	\$650.00
36351	Board only	455.00
165276	Enclosure only (includes cord grip)	250.00





## JB1010ST

### Signal Trim Junction Box with Transient Protection

#### Standard Features:

- Stainless steel, NEMA Type 4X enclosure
- Transient protection using gas discharge tubes
- Section and individual cell trim capability
- Compact enclosure only 1.75 in deep
- Strain relief cable fitting
- Number of cells: 2, 4, 6, 8 or 10 single load cells
- Any unused channels require modification

#### Applications:

- Tank, truck and railroad scales
- Summing 10 load cells with individual and section trimming capability

#### Specifications:

##### Cable Fittings:

11 nylon cable strain relief for cable dimension range: 0.079 in to 0.314 in

##### Connectors:

Electrovert 0.197 miniature screw terminals, 5-positions  
Maximum wire size: #14 AWG  
External enclosure ground stud

##### Trimming:

Individual cell and section signal trim

##### Potentiometers:

100,000 ohms, 25 turns cerment, Individual trim  
100 ohm potentiometers for section trimming

##### Enclosure:

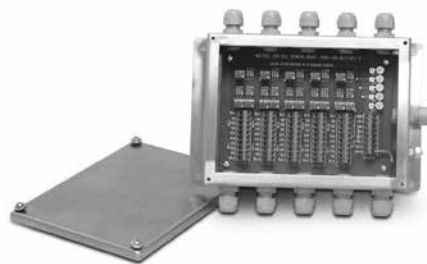
Stainless steel

##### Circuit Board:

6.5 x 4.5 in (165.1 x 114.3 mm)

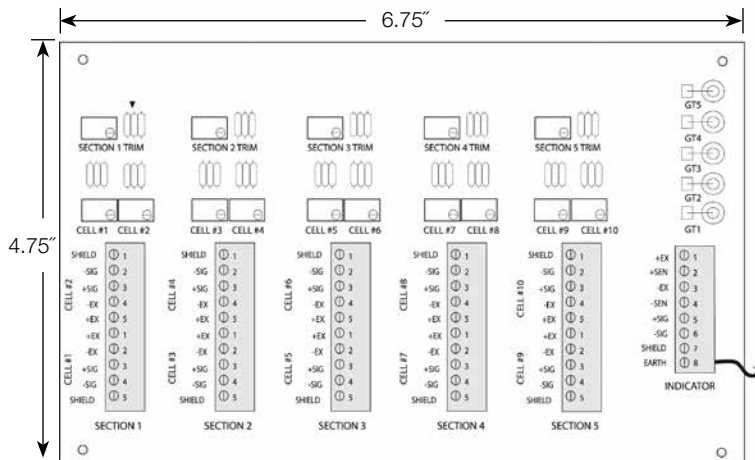
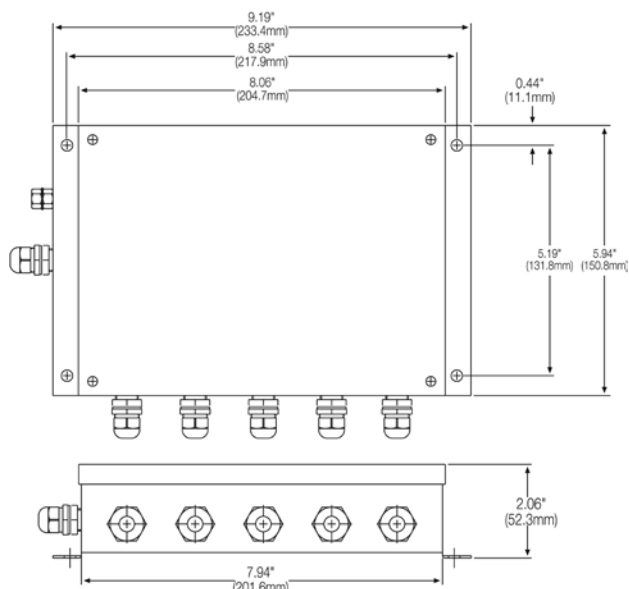
##### Warranty:

One-year limited warranty



#### Part Number/Price

PART #	DESCRIPTION	PRICE
68813	JB 1010ST signal trim junction box	\$575.00
68811	Board only	435.00
165277	Enclosure only (includes cord grips)	460.00



# Replacement Junction Boxes, Boards or Components

MODEL	COMPLETE J-BOX REPLACEMENT	REPLACEMENT BOARD ONLY	REPLACEMENT CORD GRIPS	Replacement Pressure & Condensation Vent	DESICCANT PACKS
JB4SS	88956 \$235.00	88958 \$150.00	58983=PG7, \$4.00 59001=PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	92240 \$1.10
JB4ES	91779 \$235.00	89446 \$150.00	58983=PG7, \$4.00 59001=PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	92240 \$1.10
JB4SP JB4SPT	91780 \$255.00 92762 \$445.00	88958 (load cell) \$150.00 & 89894 (transient protection) \$215.00	58983=PG7, \$4.00 59001=PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.00
JB4EP JB4EPT	91781 \$255.00 92763 \$445.00	89446 (load cell) \$150.00 & 89894 (transient protection) \$215.00	58983=PG7, \$4.00 59001=PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.00
EL204	73428 \$185.00	88958 \$150.00	N/A	N/A	N/A
JB8SP	91782 \$425.00	89889** \$365.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8" NPT 15628 (cord grip) \$4.00 & 15630 (nut) \$3.00 =1/2" NPT	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.00
JB8SPT	91783 \$625.00	89889 (load cell) \$365.00 & 89894 (transient protection) \$215.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8" NPT 15628 (cord grip) \$4.00 & 15630 (nut) \$3.00 =1/2" NPT	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.00
EL304A	21169 \$295.00	21301 \$215.00	N/A	N/A	N/A
JB1010	36231 \$650.00	36351 \$455.00	N/A	N/A	N/A
JB1010ST	68813 \$575.00	68811 \$435.00	N/A	N/A	N/A
EL210	91781, JB4EP* \$255.00	92472 \$155.00	58983=PG7, \$4.00 59001=PG11 \$3.70	N/A	N/A
EL211A	91780, JB4SP* \$255.00 (However the board does not have section trim capabilities)	92473 \$160.00 (However the board does not have section trim capabilities)	58983=PG7, \$4.00 59001=PG11 \$3.70	N/A	N/A
EL604-AL	88956, JB4SS* \$235.00	88958 \$150.00	58983=PG7, \$4.00 59001=PG11 \$3.70	N/A	N/A
EL604STA	88956, JB4SS* \$235.00	88958 \$150.00	58983=PG7, \$4.00 59001=PG11 \$3.70	N/A	N/A
EL604ETA	91779, JB4ES* \$235.00	89446 \$150.00	58983=PG7, \$4.00 59001=PG11 \$3.70	N/A	N/A
EL504	21165 \$325.00	21296 \$255.00	N/A	N/A	N/A
JB808S	91782, JB8SP* \$425.00	92471 \$385.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8" NPT 15628 (cord grip) \$4.00 & 15630 (nut) \$3.00 =1/2" NPT	N/A	N/A
JB818ST	91783, JB8SPT* \$625.00	Need (1) 77445 \$55.00 (1) 89889 \$365.00, & (1) 89894 \$215.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8" NPT 15628 (cord grip) \$4.00 & 15630 (nut) \$3.00 =1/2" NPT	N/A	N/A

\*See catalog pages for enclosure dimensions

\*\*Can only be used with Rev. B and newer board

iQUBE<sup>2</sup>®

## Digital Diagnostic Junction Box

## Standard Features:

- iQUBE<sup>2</sup>® board has four A/D channels
- Stainless steel or Fiberglass Reinforced Polyester (FRP), NEMA Type 4X polyester enclosure
- Supports networking up to four boards, for 16 A/D channels. Connection can be up to four separate platforms with a system total, or four separate scales systems
- Diagnostic routines for weighing errors and system health
- Cell tests for overloaded, underloaded, zero reference, drift, noise, and unbalanced conditions
- Onboard status LEDs for communications and visual bi-color indication of cell health
- Cell emulator compensates for load cell failure until a repair can be made
- Cal-Match<sup>®</sup> algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each mount)
- Standard communication RS-232/RS-422 option card slot for Fiber Optic, Ethernet TCP/IP or wireless TPC/IP
- Four digital I/O per card, for push button operation, set point control or cell status

## Applications:

- Mission critical weighing processes, including:
  - Truck and railroad track scales
  - Tank and hopper scales
  - Multi-channel scales

## Specifications:

## Enclosure:

Stainless steel or Fiberglass Reinforced Polyester (FRP), NEMA Type 4X enclosure

## Voltage Input:

115/230 VAC power supply DC/DC converter for 9-36 V  
6-12 VDC to CPU

## Load Cell Inputs:

4 channels per board up to 4 networked boards

## A/D Sampling Rate:

2.5-500 Hz (selectable)

## Temperature Range:

14°F to 104°F (-10°C to 40°C)

## Analog signal sensitivity:

0.3 uV/grad at 30 Hz  
0.5 uV/grad at 100 Hz  
1.2 uV/grad at 500 Hz

## Load Cell Excitation:

5 VDC, 57 mA maximum per channel

## Analog range:

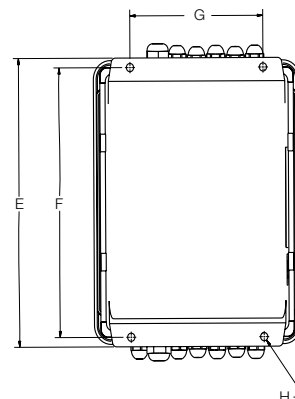
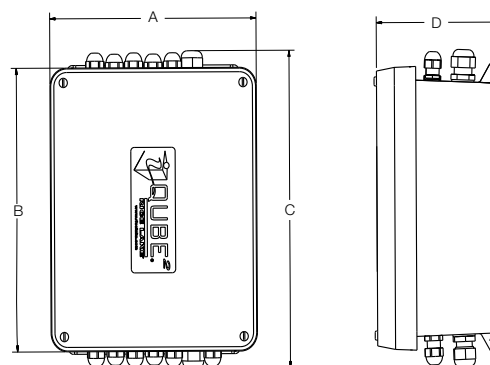
-4.5 to 4.5 mV/V

## Approvals:

NTEP 03-032  
Measurement Canada - AM-5561, Rev. 1  
UL E151461  
CE

## Warranty:

Two-year limited warranty



## DIMENSIONS

## Stainless Steel 8 x 10 in

A	8.91 in (226.3 mm)	E	11.50 in (292.1 mm)
B	10.13 in (257.3 mm)	F	10.75 in (268.5 mm)
C	12.57 in (319.3 mm)	G	6.00 in (152.4 mm)
D	4.29 in (109 mm)	H	0.312 in (7.9 mm)

## FRP Large 10 x 12 in

A	11.30 in (287 mm)	E	13.53 in (343.7 mm)
B	13.33 in (338.6 mm)	F	12.76 in (324.1 mm)
C	14.00 in (355.6 mm)	G	8.00 in (203.2 mm)
D	5.57 in (141.5 mm)	H	0.312 in (7.9 mm)

## FRP Small 8 in x 10 in

A	9.31 in (236.5 mm)	E	11.51 in (287.2 mm)
B	11.31 in (287.2 mm)	F	10.75 in (273.1 mm)
C	12.85 in (326.4 mm)	G	6.00 in (152.4 mm)
D	5.42 in (137.7 mm)	H	0.312 in (7.9 mm)

## Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
<b>With AC Power Supply</b>			
108425*	iQUBE <sup>2</sup> , 4-channel, FRP 8 x 10 in junction box	9 lb	\$1,025.00
108426	iQUBE <sup>2</sup> , 4-channel, FRP 10 x 12 in junction box	11 lb	1,175.00
108427	iQUBE <sup>2</sup> , 8-channel, FRP 10 x 12 in junction box	11 lb	1,900.00
108428*	iQUBE <sup>2</sup> , 4-channel, stainless steel 8 x 10 in junction box	13 lb	1,425.00
<b>Without Power Supply</b>			
108429*	iQUBE <sup>2</sup> , 4-channel, FRP 8 x 10 in junction box	8 lb	925.00
108430	iQUBE <sup>2</sup> , 4-channel, FRP 10 x 12 in junction box	10 lb	1,075.00
108431	iQUBE <sup>2</sup> , 8-channel, FRP 10 x 12 in junction box	10 lb	1,800.00
108432*	iQUBE <sup>2</sup> , 4-channel, stainless steel 8 x 10 in junction box	12 lb	1,325.00
<b>Conduit Adaptors</b>			
92734	Conduit adaptor 3/8 in NPT to 3/4 in NPT		25.00
92735	Conduit adaptor 1/2 in NPT to 3/4 in NPT		25.00

\* Enclosure size 8 x 10 in required for truck scale junction box pocket

## Options/Accessories

PART #	DESCRIPTION	PRICE
108433	Four channel iQUBE <sup>2</sup> board with cables and connectors	\$725.00
97475	DC/DC power supply, 9-36 VDC (requires factory installation)	155.00
108434	Remote power supply 115/230 VAC and transient board with enclosure	250.00
109396	Transient board	65.00
110949	Transient board with mount	80.00
112979	Digi XTend <sup>®</sup> radio, 900 MHz, high data throughput	895.00
161936	Hotspot Wi-Fi 802.11 a, b, g	1,195.00
161954	Hotspot in FRP enclosure	2,245.00
<b>Communication Card</b>		
108579	RS-232/RS-485 port	260.00
77142	Ethernet TCP/IP	400.00
108671	Wireless LAN 802.11 B/G	570.00
93245	USB port	160.00
77143	Fiber optic board	200.00
77788	Fiber optic board (installed in 920i)	200.00
<b>Duplex Fiber (Max Run 350 ft)</b>		
78026	Fiber optic cable, 100 ft	135.00
78027	Fiber optic cable, 200 ft	270.00
78910	Fiber optic cable, custom length	1.35/ft
<b>Home Run Cable</b>		
116587	EL166 16 gauge, 6 conductor, shielded	2.65/ft
<b>Software</b>		
77925	Revolution <sup>®</sup> configuration software	35.00
108435	Virtui2 <sup>®</sup> virtual indicator demo CD	n/c
108436	Virtui2 activation part number	500.00
112262	Firmware update flash cable	50.00
<b>920i Indicators for use with iQUBE<sup>2</sup>, requires version 4 software</b>		
77790	920i universal, 115 VAC, without A/D	1,750.00
77791	920i universal, 230 VAC, without A/D	1,750.00
93243	920i deep universal, 115 VAC, without A/D	1,950.00
93244	920i deep universal, 230 VAC, without A/D	1,950.00
77792	920i panel mount, 115 VAC, without A/D	1,750.00
77793	920i panel mount, 230 VAC, without A/D	1,750.00
77794	920i wall mount, 115 VAC, without A/D	2,350.00
77795	920i wall mount, 230 VAC, without A/D	2,350.00

## Sample Configurations\*

\*Not an actual system—illustrates connectivity



## EL168

### 1-Cell Junction Box

#### Standard Features:

- Non-metallic PVC enclosure with separate input and output cable fittings
- No soldering, compression or swagged fittings are required

#### Applications:

- For splicing or extending load cell cable

#### Specifications:

##### Dimensions:

(W x L x D) 4 x 4 x 2.5 in

##### Mounting Centers:

3.75 x 2.31 in (95.2 x 58.7 mm)

##### Cable Fittings:

Nylon waterproof strain-relief type

##### Cable Diameter:

0.079 in-0.314 in (2.0 mm-8.0 mm)

##### Terminal Block:

Rated 300 V/15 A; 7-position, screw terminal can each accommodate up to #16 AWG

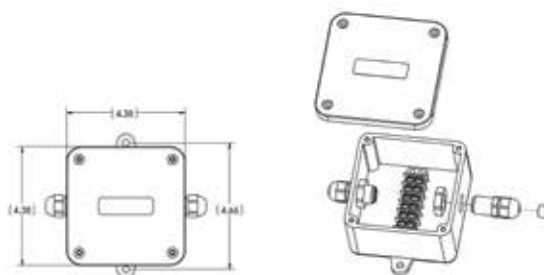
##### Warranty:

One-year limited warranty



#### Part Number/Price

PART #	DESCRIPTION	PRICE
21161	EL168 1-cell junction box	\$66.00



## TP75 DC

### Transient Protection

#### Standard Features:

- Avalanche diode design
- Full 6-wire with shield protection
- NEMA Type 4X enclosure
- Unlimited number of parallel load cells; up to 8 in series
- Terminal lugs provided

#### Applications:

- Protects load cells and indicators from voltage transients
- Tank, bin and hopper
- Truck and railroad track scales
- Suitable for outdoor use

#### Specifications:

**Protection Type:**

6-channel series type with separate shield

**Maximum Excitation Voltage:**

22.8V DC

**Response Time:**

5 nanoseconds

**Peak Surge Currents:**

100 amps

**Series Resistance:**

0.0 ohms

**Series Inductance:**

0.0  $\mu$ h

**Grounding:**

10 AWG wire or larger (not provided)

**Cable Fitting:**

(2) nylon strain relief for 0.187 in-0.312 in (4.7 mm-7.9 mm) diameter cable

**Enclosure:**

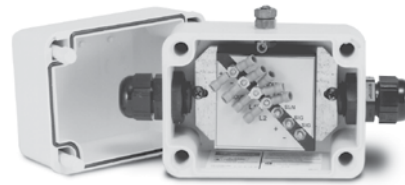
Impact-resistant polycarbonate NEMA Type 4X, maximum 40 psi washdown

**Operating Temperature:**

4°F to 121°F (-20°C to 85°C)

**Circuit Board Dimensions:**

2.22 x 2.22 in (56.4 x 56.4 mm)



#### Part Number/Price

PART #	DESCRIPTION	PRICE
33185	TP75 DC transient protection	\$225.00

#### Options/Accessories

PART #	DESCRIPTION	PRICE
31164	Circuit board only	\$170.00

## UJB3T6 DC

### Transient Protection

#### Standard Features:

- Factory serviceable
- Full 6-wire with shield protection
- #6 SEMS screw type; accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Up to 8 parallel or summed load cells
- 50K baud maximum transmission frequency
- Up to 6 serial data lines can be protected instead of load cells

#### Applications:

- Protects load cells from voltage transients
- Compatible with signals down to 1  $\mu$ V grad
- Installations exposed to significant transients
- Protects serial communication lines

#### Specifications:

##### Protection Type:

6-channel series type with separate shield

##### Maximum Excitation Voltage:

20 VDC or 20 VAC

##### Clamping Voltage:

75 VDC or 75 VAC

##### Clamping Time:

75 VDC Stages <100 nanoseconds typical

##### Peak Surge Currents:

75 VDC Stage-5000 amperes

##### Maximum Serial Transmission Rate:

50K baud

##### Series resistance:

0.219 ohms typical

##### Series inductance:

110  $\mu$ h typical

##### Grounding:

20 ft (6.1 m) insulated #10 AWG wire

##### Cable Fitting:

(2) nylon strain relief for 0.079 in-0.236 in (2.0 mm-6.0 mm) diameter cable

##### Enclosure:

Fiberglass-Reinforced Polyester (FRP), NEMA Type 4X, maximum 40 psi washdown

##### Operating Temperature:

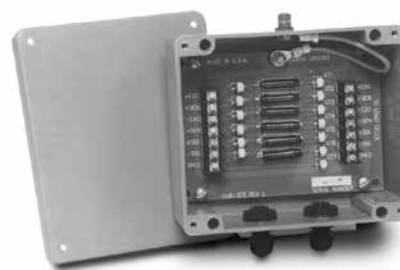
14°F to 104°F (-10°C to 40°C)

##### Circuit Board:

6.75 x 4.75 in (171.5 x 120.7 mm) with anti-fungal coating

##### Dimensions:

(W x H x D) 7.63 x 6.63 x 3.25 in (193.8 x 168.3 x 82.6 mm)

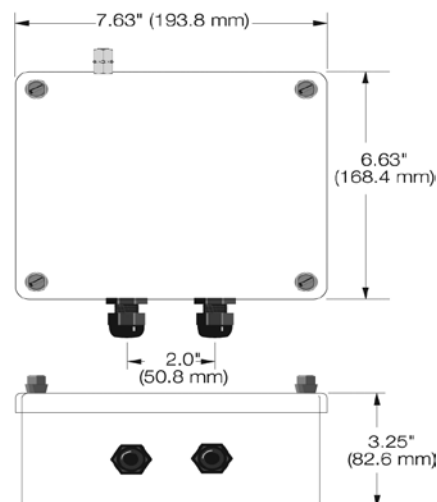


#### Part Number/Price

PART #	DESCRIPTION	PRICE
21134	UJB3T6	\$350.00

#### Options/Accessories

PART #	DESCRIPTION	PRICE
21135	6-channel load cell transient protector, board only	\$250.00





## TP232 RS-232

### High Energy Serial Protection

#### Standard Features:

- Two metal mounting brackets
- Three stages of protection: Gas discharge tube, series resistor and Transient Voltage Suppressor (TVS)
- Two terminal posts for ground
- RS-232 high energy surge protector
- Terminal blocks for transmit, receive, request to send, clear to send and signal ground

#### Applications:

- Indicators
- Remote displays
- Printers
- Computers
- PLC

#### Specifications:

**Clamping Voltage (Stage One):**  
72 VDC minimum, 108 VDC maximum

**Series Resistance (Stage Two):**  
2.7 ohms

**Clamping Voltage (Stage Three):**  
14.3 V minimum, 15.7 V maximum

**Clamping Time:**  
Less than 5 to 10-9 seconds

**Connectors:**  
5 position terminal blocks

**Dimensions:**  
Approximately (L x W x H) 4.5 x 3.3 x 1.8 in (114.3 x 83.8 x 45.7 mm)

**Weight:**  
Approximately 0.42 lb (0.19 kg)

**Approvals:**  
CE marked



#### Part Number/Price

PART #	DESCRIPTION	PRICE
69201	TP232	\$175.00

#### Options/Accessories

PART #	DESCRIPTION	PRICE
17778	12 in ground strap	\$10.25
17781	24 in ground strap	13.25
69516	Additional installation manual	6.00

## Ranger 1

### Standard Features:

- ABS plastic case, weighs less than 1 lb
- Large vernier knob, smooth 10 turn potentiometer
- Ideal tool for troubleshooting a scale system, bench testing stability of indicators and setpoint simulation
- Binding posts are color coded to ISA S37.8 standard

### Specifications:

**Variable Range:**

0-3 mV/V

**Impedance:**

700 ohms nominal

**Connectors:**

Binding posts suitable for banana plug or 14 gauge wire

**Temperature Coefficient:**

±100 ppm/°C

**Dimensions:**

(L x W x H) 4.5 x 3.5 x 1.25 in (114.3 x 88.9 x 31.8 mm)

**Warranty:**

One-year limited warranty



### Part Number/Price

PART #	DESCRIPTION	PRICE
68029	Ranger 1 variable range simulator	\$145.00

### Options/Accessories

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	\$55.00

## Ranger 3

### Standard Features:

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 to 4.5 mV/V in 9 steps of 0.5 mV/V per step
- Ideal tool for calibrating the indicator A-D offset and gain setting
- A-D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

### Specifications:

**Fixed Steps:**

-0.5-4.5 mV/V range

**Impedance:**

350 ohms nominal

**Nonlinearity:**

Less than .02%

**Connectors:**

Binding posts-suitable for banana plug or 14 gauge wire

**Temperature Coefficient:**

±5 ppm/°C

**Dimensions:**

(L x W x H) 4.5 x 3.5 x 1.25 in (114.3 x 88.9 x 31.8 mm)

**Warranty:**

One-year limited warranty



### Part Number/Price

PART #	DESCRIPTION	PRICE
68030	Ranger 3 calibration simulator	\$360.00

### Options/Accessories

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	\$55.00

## Transducer Simulator 4

### Standard Features:

- Designed for high accuracy
- Sealed lid with neoprene O-ring
- Dustproof and crush tested to 500 lb
- Four operational modes including vernier adjustment, calibrated adjustment, 0.25 mV/V offset and 0.50 mV/V offset
- Ideal for setpoint or batching simulation

### Specifications:

**Maximum Voltage:**

15V

**Bridge Type:**

175 ohm star

**Linearity:**

Less than  $\pm .02\%$  full scale

**Temperature Coefficient:**

Absolute 5 ppm/ $^{\circ}\text{C}$ ; Tracking less than 0.5 ppm/ $^{\circ}\text{C}$

**Variable Ranges:**

Choose any fixed setting  $\pm 0.25$  mV/V or 0.50 mV/V through a 10-turn wire-wound potentiometer with locking clutch

**Load Factors:**

Simulates 1, 2, 3, 4 or 8 350-ohm load cells or 2, 4, 6, 8 or 16 700-ohm load cells

**Calibrated Offset:**

$\pm 0.25$  mV/V for use with digitally calibrated meters requiring positive dead load for calibration

**Connectors:**

Six-way binding posts, suitable for loose wires or banana plug

**Warranty:**

One-year limited warranty



### Part Number/Price

PART #	DESCRIPTION	PRICE
22513	Transducer simulator 4	\$750.00

### Options/Accessories

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	\$55.00

## Ranger 5

### Standard Features:

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 to 4.5 mV/V in 9 steps of 0.5 mV/V per step
- 10 turn vernier with locking graduated dial
- Vernier selection of 4 ranges: Off, Fine, Medium and Coarse
- Ideal tool for calibrating indicator A-D offset and gain setting
- A-D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

### Specifications:

**Fixed Steps:**

-0.5–4.5 mV/V range

**Vernier:**

Variable range: up to 0.5 mV/V, up to 1 mV/V, up to 1.5 mV/V

**Impedance:**

350 ohms nominal

**Nonlinearity:**

Less than .02%

**Connectors:**

Binding posts suitable for banana plug or 14 gauge wire

**Temperature Coefficient:**

$\pm 5$  ppm/ $^{\circ}\text{C}$

**Dimensions:**

(W x L x H) 4.5 x 3.5 x 1.25 in (114.3 x 88.9 x 31.8 mm)

**Warranty:**

One-year limited warranty



### Part Number/Price

PART #	DESCRIPTION	PRICE
68031	Ranger 5 calibration simulator	\$460.00

### Options/Accessories

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	\$55.00

# Ranger 7

## Standard Features:

- Designed for high resolution, used in high precision testing, troubleshooting and calibrating of digital weight indicators
- Switchable offset
- Painted die cast enclosure

## Specifications:

### Vernier:

Two ranges; one is equal to the sum of the 0.05 mV/V switch and the 0-0.5 mV/V switch. The other is the sum of the 0.5 mV/V, 0.1 mV/V and 0.01 mV/V switches

### Load Impedance:

Three settings: X0.5= 700Ω, X1= 350Ω (one standard load cell), X4= 87.5Ω (four load cell platform)

### Linearity:

± 0.01% + 1μV

### Connectors:

Low thermal electronics, type 2758 precision gold plated binding posts standard banana jacks or 14 AWG wire

### Temperature Coefficient:

5 ppm/°C

### Zero Offset:

± 0.0005 mV/V

### Output Range:

0-3 mV/V in 0.01 mV/V steps

### LED Annunciators:

- EXC +
- EXC -
- Offset ON
- 0.5 mV/V
- 0.1 mV/V



## Part Number/Price

PART #	DESCRIPTION	PRICE
157323	Ranger 7 high resolution calibration simulator	\$680.00

## Options/Accessories

PART #	DESCRIPTION	PRICE
21116	Cable with banana plugs	\$55.00

## Notes

## JUNCTION BOXES / SIMULATORS

**www.ricelake.com | Phone: 800-472-6703**



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## Notes

## JUNCTION BOXES / SIMULATORS

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## Notes

## JUNCTION BOXES / SIMULATORS

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## This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper. A small portion of a green object is visible at the bottom left corner.