

Rice Lake RL32018 Alloy Steel, Single-ended Beam Load Cell



As of: Monday, July 27, 2026



Standard Features

An alloy steel single-ended beam cell offered from 250 to 20,000 lb. Each load cell has 20 ft of cable and is FM approved and NTEP Certified from 500 to 10,000 lb.

Approvals

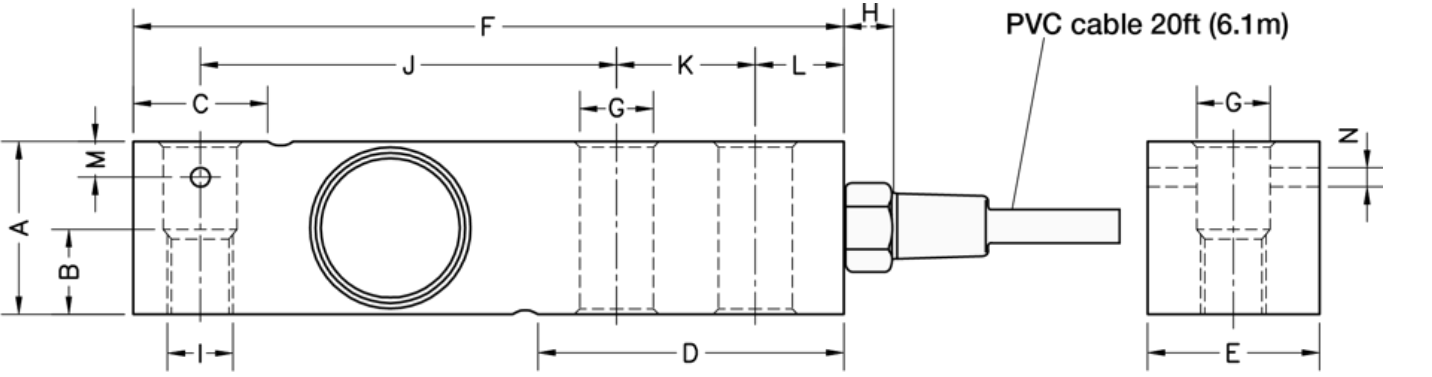


WARNING: Cancer and Reproductive Harm California Proposition 65

RL32018 Load Cell Specifications

Full Scale Output: 3.0 mV/V $\pm$0.05% mV/V/ohm calibration Output Resistance: 350 ($\pm$3) ohm Input Resistance: 400 ($\pm$20) ohm Material/Finish: Alloy steel, nickel plated Temperature: Compensated: -14 °F to 104 °F (-10 °C to 40 °C) Operating: 0 °F to 150 °F (-18 °C to 65 °C)	Seal Type: Environmentally sealed, IP66 Safe Overload: 150% full scale Safe Sideload: 100% full scale Rated Excitation: 10 VDC (15 V maximum) Combined Error: 0.017% full scale Insulation Resistance: >5,000 megohm	Deflection at Capacity: 0.2 to 0.4 mm Cable Length: 20 ft Cable Color Code: Red +Excitation Black –Excitation Green +Signal White –Signal Warranty: Two-year limited Approvals: NTEP 18-106 cFMus FM18US0307X
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RL32018 Load Cell Dimensions



RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L	M	N
LB/IN														
250 to 500	1.00	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	0.75	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	-	-
15,000 to 20,000	2.00	-	-	4.00	2.00	8.75	1.06	-	1-14 UNS	4.90	2.00	1.00	-	-

NTEP Certified

PART #	DESCRIPTION	LIST PRICE
189152	1000lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
191732	1500lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
189153	2000lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
189154	2500lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
189155	3000lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
189156	4000lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
189157	5000LBSE 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$315.00
189158	5000lbLE 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$400.00
189159	10000lb 20ft 3mv/v 350 Ohm NTEP III 5M Alloy FM WW IP66	List Price: \$400.00
189151	500lb 20ft 3mv/v 350 Ohm Alloy FM WW IP66	List Price: \$315.00

Non-NTEP Certified

PART #	DESCRIPTION	LIST PRICE
189150	250lb 20ft 3mv/v 350 Ohm Alloy FM WW IP66	List Price: \$315.00
189160	15000lb 20ft 3mv/v 350 Ohm Alloy FM WW IP66	List Price: \$685.00
189161	20000lb 20ft 3mv/v 350 Ohm Alloy FM WW IP66	List Price: \$685.00

Overbraid Cable

PART #	DESCRIPTION	LIST PRICE
209166	2.5k 2500lb 20ft stainless over braid 3mv/v 350 Ohm Alloy FM NTEP 5S/III	List Price: \$350.00
197558	20k 20,000lb 20ft overbraid 3mv/v 350 Ohm Alloy WW IP67 FM	List Price: \$770.00

www.ricelake.com | 800-472-6703

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