

Rice Lake RL32018S Stainless Steel, Single-ended Beam Load Cell



As of: Monday, August 3, 2026



Standard Features

The RL32018S is available in capacities from 250 to 20,000 pounds, is FM approved and is sealed to IP66 standards. Each cell includes 20 feet of cable. NTEP Certified capacities range from 500 to 10,000 pounds.

Approvals

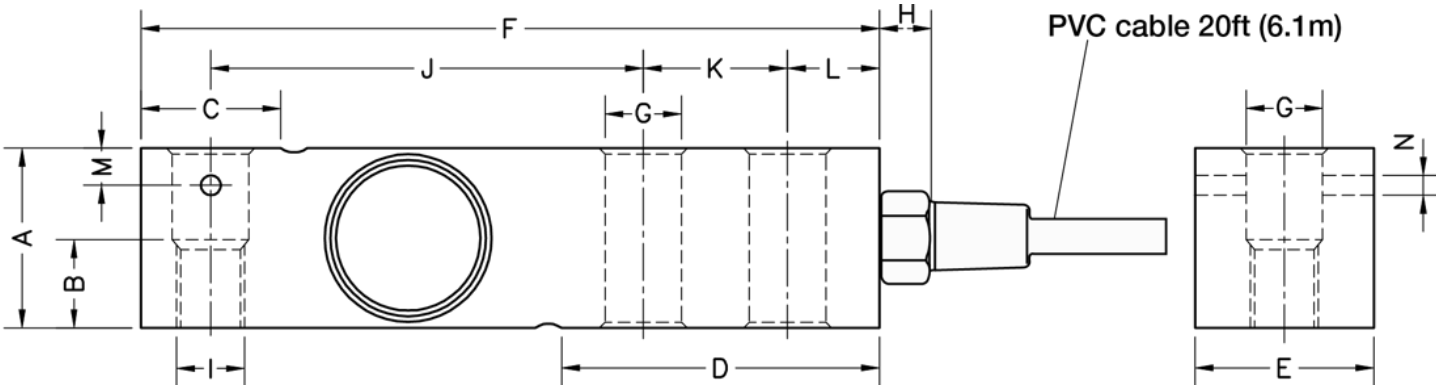


WARNING: Cancer and Reproductive Harm California Proposition 65

RL32018S 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: Stainless steel Temperature: Compensated: 14 to 104 °F (-10 to 40 °C) Operating range 0 to 150 °F (-18 to 65 °C)	Seal Type: Environmentally sealed, IP66 Safe Overload: 150% 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
--	--	---

RL32018S 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	-	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
189166	2500lb 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$345.00
189164	1000lb 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$345.00
189165	2000lb 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$345.00
189167	4000lb 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$345.00
189168	5000LBSE 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$345.00
189169	5000LB LE 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$440.00
189170	10000lb 20ft 3mv/v 350 Ohm NTEP III 5M FM WW IP66 SST	List Price: \$440.00
189163	500lb 20ft 3mv/v 350 Ohm FM WW IP66 SST	List Price: \$345.00

Non-NTEP Certified

PART #	DESCRIPTION	LIST PRICE
189162	250lb 20ft 3mv/v 350 Ohm FM WW IP66 SST	List Price: \$345.00
189171	15000lb 20ft 3mv/v 350 Ohm FM WW IP66 SST	List Price: \$740.00
189172	20000lb 20ft 3mv/v 350 Ohm FM WW IP66 SST	List Price: \$740.00