

Rice Lake RL35082 Stainless Steel, Single-Ended Beam Load Cell

IP67 Model



IP69K Model



Standard Features

Model RL35082 is a stainless steel, welded- or hermetically-sealed, single-ended beam precision load cell. The RL35082 is ideal for hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the RL35082 has capacities ranging from 1,000 lb to 10,000 lb. Load cell cable is included in lengths of 20 ft or 30 ft.

Approvals

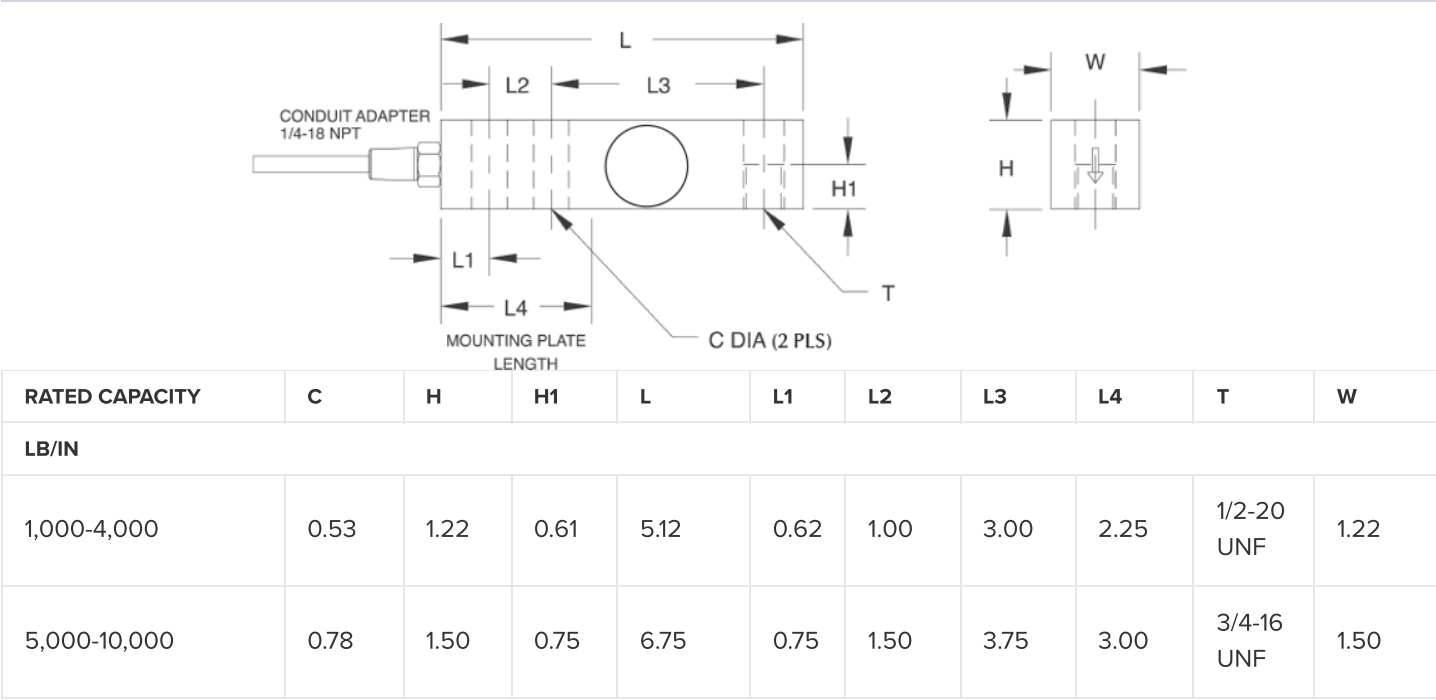


WARNING: Cancer and
Reproductive Harm
California Proposition
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RL35082 Load Cell Specifications

Full Scale Output: 2.0 mV/V Output Resistance: 349-355 ohm Input Resistance: 343-357 ohm Material/Finish: Stainless steel Temperature: Compensated range: 14°F to 104°F/-10°C to 40°C Operating range: 0° F to 150° F/-18° C to 65° C Seal Type: Welded-seal, IP67 Hermetic-seal, IP69K <i>(Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry)</i>	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)	Cable Length: 30 ft (9.1 m); 20 ft (6.1 m) Cable Diameter: 0.220 PTFE coated cable Conduit Adapter Size: IP67 1/4-18 NPT IP69K 1/2-14 NPT Cable Color Code: Red +Excitation Black –Excitation Green +Signal White –Signal Warranty: Two-year limited warranty Approvals: cFMus NTEP Waterproof Guaranteed IP69K
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RL35082 Load Cell Dimensions



RL35082HE, IP69K, 20 ft Cables

PART #	DESCRIPTION	LIST PRICE
34702	HE 1000lb 20ft 2mV/V mV/V/OHM Cal 350 OHM NTEP Class III 5m WW SST HS IP66/68	Consult

RL35082HE, IP69K, 30 ft Cables

PART #	DESCRIPTION	LIST PRICE
173858	5000lb LE HE 30ft 2mv/v mv/v per ohm cal 350 Ohm NTEP III 5M WW SST FM HS IP69K w/PTFE cable	List Price: \$605.00
173859	10000lb LE HE 30ft 2mv/v mv/v per ohm cal 350 Ohm NTEP III 5M WW SST FM HS IP69K w/PTFE cable	List Price: \$605.00

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