

Load Cells/Weigh Modules

RL35083 Single-Ended Beam

Stainless Steel



APPROVALS



STANDARD FEATURES

- Hostile environment applications typical of food and chemical processing
- Full scale output: 3.0mV/V
- Bridge resistance: 350 ohms, nominal
- Stainless steel
- Welded-seal strain gauge, IP67

SPECIFICATIONS

FULL SCALE OUTPUT:

3.0mV/V

BRIDGE RESISTANCE:

350 ohms, nominal

MATERIAL FINISH:

Stainless steel

TEMPERATURE:

Compensated range
0°F to 150°F (-18°C to 65°C)

SAFE OVERLOAD:

150% Full scale

RATED EXCITATION:

10VDC (15V maximum)

COMBINED ERROR:

0.03% Full scale

NON-REPEATABILITY:

0.01% Full scale

INSULATION RESISTANCE:

5000 megohms

DEFLECTION AT CAPACITY:

1000 lb = .013 in (.33 mm)
2500 lb = .015 in (.38 mm)
4000-5000 lb = .025 in (.64 mm)
10,000 lb = .032 in (.81 mm)

SEAL TYPE:

Welded-seal strain gauge, IP67 (conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry)

CABLE LENGTH:

20 ft (6.1 m) Teflon coated cable

CONDUIT ADAPTER SIZE:

1/4-18 NPT

CABLE COLOR CODE:

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

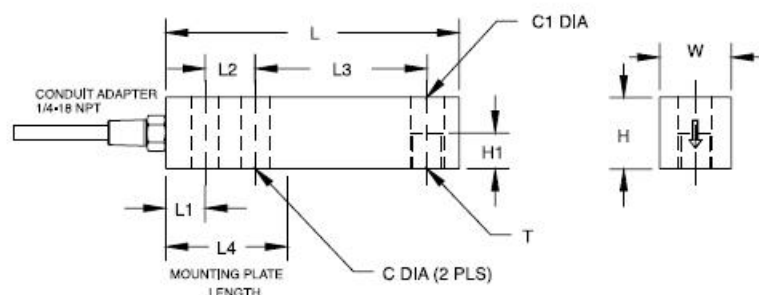
WARRANTY:

Two-year limited warranty

DIMENSIONS

RATED CAPACITY lb/inches	C	C1	H	H1	L	L1	L2	L3	L4	T	W
1000-4000	.53	.53	1.22	.61	5.12	.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5000-10,000	.78	.78	1.50	.75	6.75	.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
kg/mm											
453.6-1814.4	13.5	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2	1/2-20 UNF-2B	31.0
2268.0-4535.9	19.8	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1

LOAD RATING	PART #
1000lb (453.6kg)	17252
2500lb (1134.0kg)	17253
4000lb (1814.4kg)	17254
5000lb (2268.0kg)	17255
10,000lb (4535.9kg)	17256



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