

Load Cells/Weigh Modules

RL35023S Single-Ended Beam

Stainless Steel



APPROVALS



STANDARD FEATURES

- Low-profile scales and process applications
- Full scale output: 3.0mV/V
- Bridge resistance: 350 ohms, nominal
- Stainless steel
- Environmentally sealed

SPECIFICATIONS

FULL SCALE OUTPUT:

3.0mV/V

BRIDGE RESISTANCE:

350 ohms, nominal

MATERIAL/FINISH:

Stainless steel

TEMPERATURE:

Compensated range
14°F to 104°F (-10°C to 40°C)

SAFE OVERLOAD:

150% Full scale

RATED EXCITATION:

10VDC (15V maximum)

COMBINED ERROR:

0.03% Full scale

INSULATION RESISTANCE:

5000 megohms

DEFLECTION AT CAPACITY:

1000lb = .013 in (.33 mm)
2000-2500lb = .015 in (.38 mm)
4000-5000lb = .025 in (.64 mm)
10,000lb = .32 in (.81 mm)

SEAL TYPE:

Environmentally sealed, IP67

CABLE LENGTH:

20ft (6.1 m)

CABLE COLORING:

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

WARRANTY:

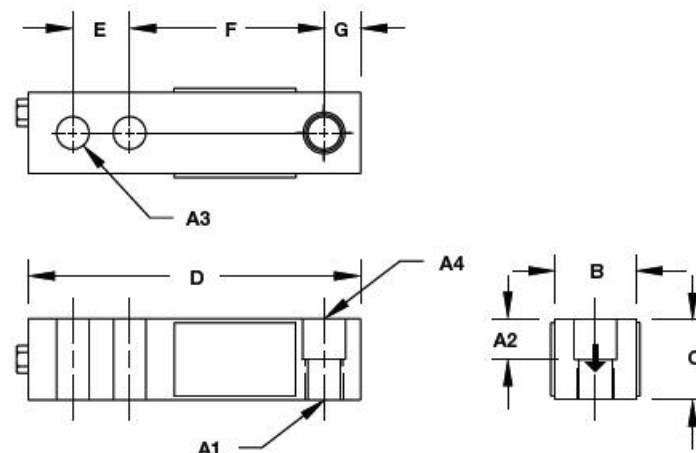
Two-year limited warranty

DIMENSIONS

RATED CAPACITY lb/inches	A1	A2	A3	A4	B	C	D	E	F	G
1000-4000	1/2-20 UNF-2B	.62	.53	.53 DIA.	1.25	1.25	5.12	1.00	3.00	.50
5000-10,000	3/4-16 UNF-2B	.75	.78	.78 DIA.	1.50	1.50	6.75	1.50	3.75	.75
kg/mm										
453.6-1814.4	1/2-20 UNF-2B	15.8	13.5	13.5 DIA.	31.8	31.8	130.1	25.4	76.2	12.7
2268.0-4535.9	3/4-16 UNF-2B	19.1	19.8	19.8 DIA.	38.1	38.1	171.5	38.1	95.3	19.1

LOAD RATING	PART
1000 lb (453.6 kg)	30649
2000 lb (907.2 kg)	30650
2500 lb (1134.0 kg)	30651
4000 lb (1814.4 kg)	30652
5000 lb (2268.0 kg)	30653
10,000 lb (4535.9 kg)	30654
Conduit Adapter Kit* (must be factory installed to maintain warranty)	
3/8-24 Nipple 31533*	31534*
3/8-24 to 1/4-18 NPT	31534*

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



Load Cells