

RL75223 Double-Ended Beam

Alloy Steel



STANDARD FEATURES

- Low-profile truck and track scales in harsh environments
- Full scale output: 3.0mV/V
- Bridge resistance: 700 ohms, nominal
- High-alloy steel
- Welded-seal strain gauge, IP67 (conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry)

APPROVALS



SPECIFICATIONS

FULL SCALE OUTPUT:

3.0mV/V

BRIDGE RESISTANCE:

700 ohms, nominal

MATERIAL/FINISH:

High-alloy steel

TEMPERATURE:

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

SAFE OVERLOAD:

150% Full scale

RATED EXCITATION:

10VAC/DC (20V maximum)

NON-REPEATABILITY:

0.01% Full scale

COMBINED ERROR:

0.03% Full scale

INSULATION RESISTANCE:

5000 megohms

DEFLECTION AT CAPACITY:

50,000lb = .018in (.5mm)
65,000lb = .022in (.6mm)
100,000lb = .034in (.9mm)

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:

40ft (12.2m)

CABLE COLOR CODE:

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

WARRANTY:

Two-year limited warranty

DIMENSIONS

RATED CAPACITY

lb/inches

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
50,000-65,000	10.25	5.12	.28	1.00	.75	.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
100,000	10.25	5.12	.28	1.00	—	—	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20

kg/mm

22,679.6-29,483.5	260.4	130.1	7.1	25.4	19.1	19.8	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9
45,359.2	260.4	130.1	7.1	25.4	—	—	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9

LOAD RATING

PART

50,000lb (22,679.6kg)	21611
65,000lb (29,483.5kg)	21612
100,000lb (45,359.2kg)	21613

