

Double Ended Beam Load Cell



FEATURES

- Capacities: 20 to 75Klbs
- Environmental protection: IP67 (DIN 40.050)
- Material: Stainless steel
- Certified by NTEP class III L 10000 divisions

OPTIONAL FEATURE

- FM approved for use in potentially explosive atmosphere

DESCRIPTION

The 9323 is a Double Ended Beam type load cell.

This product is designed for use in certified truck and rail scales and is available in capacities from 20K to 75Klbs.

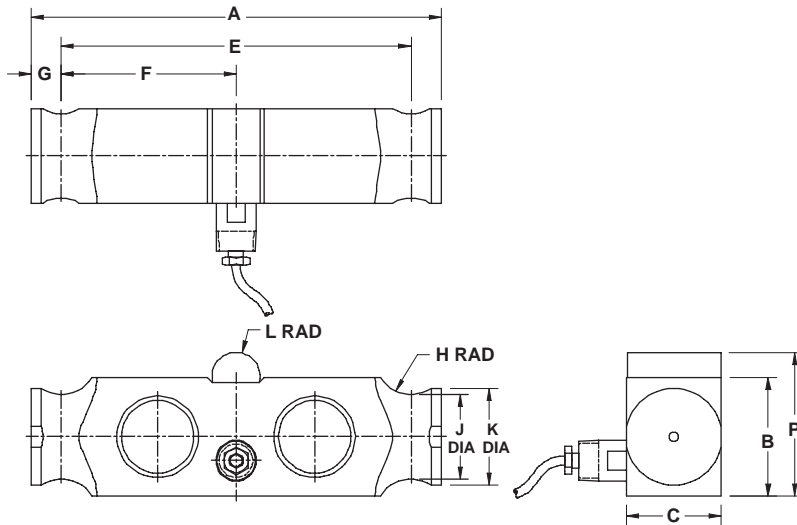
A reliable sealing and mechanical protection of the strain gage area is ensured by the use of potting compound with a metal cover.

This load cell is rated intrinsically safe by the FM system, making it suitable for use in potentially explosive atmosphere.

APPLICATIONS

- Weighbridges
- Silos, tanks and hoppers

OUTLINE DIMENSIONS in inches



Cable specifications:

Cable length: 9 m (30ft)

Excitation + Red
 Excitation - Black
 Output + Green
 Output - White
 Shield Transparent

Cable screen is not connected to load cell body.

Capacity	20 - 25K	30 - 75K
A	8.00	8.50
B	1.94	2.45
C	1.44	1.95
E	7.12	7.25
F	3.56	3.63
G	0.44	0.63
H	0.38	0.75
J RAD	0.80	1.75
ØK	1.00	2.00
L RAD	0.38	0.50
P	2.31	3.00

SPECIFICATIONS

PARAMETER	VALUE		UNIT
Capacities	20K, 25K, 30K, 40K, 50K, 60K, 75K		lbs
Accuracy class according to NTEP	NTEP III L	Non-Approved	
Max. no. of verification intervals	10000d		
Rated output (=S)	3		mV/V
Rated output tolerance	0.003		±mV/V
Zero balance	1.0		±% FSO
Combined error	0.0200	0.0500	±% FSO
Creep error (20 - 30 minutes)	0.0300	0.0200	±% applied load
Temperature effect on zero	0.0090 (0.0010)	0.0250	±% FSO/5°C (1°F)
Temperature effect on output	0.0072 (0.0008)	0.0250	±% applied load/5°C (1°F)
Compensated temperature range	-10 to +40 (+14 to 104)		°C (°F)
Operating temperature range	-53 to +93 (-65 to +200)		°C (°F)
Safe load limit	150		%E _{max}
Ultimate load	300		%E _{max}
Safe side load limit	100		%E _{max}
Excitation voltage recommended	10		V
Excitation voltage maximum	15		V
Input resistance	700±7		Ω
Output resistance	700±7		Ω
Insulation resistance	≥5000		MΩ
Environmental protection	IP67		
Element material	Stainless steel		ASTM

FSO-Full Scale Output

Correct mounting of the load cells is essential to ensure optimum accuracy and performance. Further information is available upon request.

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