Revere



Double Ended Beam Load Cell



DESCRIPTION

The 9203 is a stainless steel Double Ended Shear Beam type load cell.

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

The center loaded design results in minimal sensitivity to off-center forces.

FEATURES

• Capacities: 1K to 75Klbs

Environmental protection: IP67 (DIN 40.050)

Material: stainless steelCenter loaded design

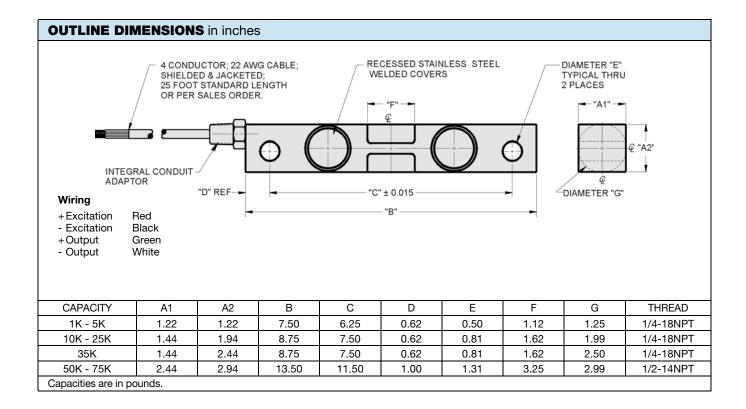
· Welded covers for all capacities

OPTIONAL FEATURE

 FM certified versions are available for use in potentially explosive atmospheres

APPLICATIONS

- Silo, tank, hopper weighing
- Custom system designs
- · Low capacity vehicle scales





Double Ended Beam Load Cell

SPECIFICATIONS		
PARAMETER	VALUE	UNIT
Standard capacities (E _{max})	1, 1.5, 2, 2.5, 5, 10, 15, 20, 25, 35, 50, 75	Klbs
Accuracy class	Non Approved - D3	
Rated output (=S)	3.0	mV/V
Rated output tolerance	0.008	±mV/V
Zero balance	1.0	±% FSO
Combined error	0.03	±% FSO
Creep error (20 minutes)	0.03	±% FSO
Temp. effect on min. dead load output	0.0015	±% FSO/5°C (/°F)
Temperature effect on sensitivity	0.0008	±% FSO/5°C (/°F)
Maximum safe over load	150	%E _{max}
Ultimate over load	300	%E _{max}
Maximum safe side load	100	%E _{max}
Excitation voltage	10	V
Maximum excitation voltage	15	V
Input resistance	700±14	Ω
Output resistance	703±4	Ω
Insulation resistance	≥1000	MΩ
Compensated temperature range	-10 to +40 (+14 to +104)	°C (°F)
Operating temperature range	-18 to +65 (0 to +150)	°C (°F)
Element material (DIN)	Stainless steel	
Sealing	IP67	

FSO - Full Scale Output





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