Model 5303

Revere

VISHAY PRECISION GROUP

Double Ended Beam Load Cell

FEATURES

- Capacities: 25 to 125Klbs
- Environmental protection: IP67 (DIN 40.050)
- Material: Nickel plated steel
- Certified to NTEP class IIIL, 10000 divisions

OPTIONAL FEATURES

- FM approved for use in potentially explosive atmosphere

APPLICATIONS

- Weighbridges
- Silos, tanks and hoppers

DESCRIPTION

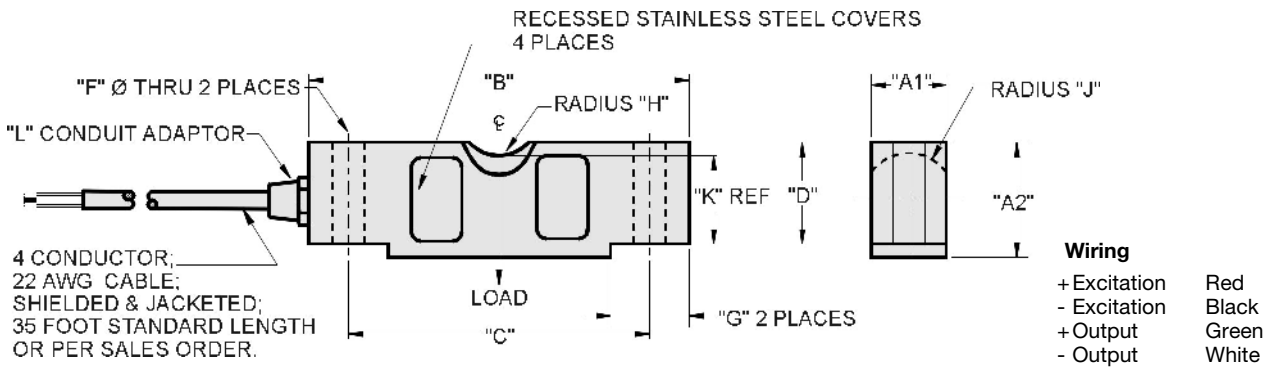
The 5303 is a link loaded mid to high capacity, Nickel plated alloy steel Double Ended Shear Beam type load cell.

This product is designed for use in certified truck and rail scales and is available in capacities from 25K to 125Klbs.

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

This load cell is certified for trade applications by American NTEP standards.

OUTLINE DIMENSIONS in inches



CAPACITY	A1	A2	B	C	D	F	G	H	J	K	L
25K	1.69	1.94	7.75	6.50	1.70	0.68	1.38	0.75	0.90	1.63	1/4 - 18 NPT
40K	1.94	2.44	10.25	8.50	2.10	0.81	1.93	1.00	1.12	2.00	1/4 - 18 NPT
50K - 75K	2.44	2.94	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2 - 14 NPT

Capacities are in pounds.

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SPECIFICATIONS			
PARAMETER	**VALUE**		**UNIT**
Capacities	25K, 40K, 50K, 60K, 75K, 100K, 125K		lbs
Accuracy class according to NTEP	NTEP IIIL	Non-Approved	
Max. no. of verfication intervals	10000d		
Rated output (=S)	3.0		mV/V
Rated output tolerance	0.0075		±mV/V
Zero balance	1.0		±% FSO
Combined error	0.0200	0.0500	±% FSO
Temperature effect on min. dead load output	0.0010	0.0250	±% FSO/5°C (/°F)
Temperature effect on sensitivity	0.0008	0.0250	±% FSO/5°C (/°F)
Compensated temperature range	-10 to +40 (+14 to 104)		°C (°F)
Operating temperature range	-18 to +65 (0 to +150)		°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±14		Ω
Output resistance	703±4		Ω
Insulation resistance	Š1000		MΩ
Environmental protection	IP67		
Element material	Nickel plated steel		ASTM

FSO - Full Scale Output

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

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