

Model 1242

Single Point Load Cells

NEW!



Features

- Capacities: 50 kg - 250 kg
- Aluminum construction
- Single point 400 mm x 400 mm platform
- 6 wire (sense) circuit
- IP66 protection
- OIML R60 approved
- Hazardous area approved to Eex ia IIC T4

Model 1242 is a low profile, two beam, single point load cell ideally suited to industrial applications where space is limited. Typical application include platforms, hanging scales and personal weighers.

This high accuracy load cell is OIML approved. For hazardous environments this load cell has an Eex IIC T4 level of approval

A special humidity resistant protective coating assures long term stability over the entire compensated temperature change.

The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

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EXCELLENCE IN LOAD CELLS

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Model 1242

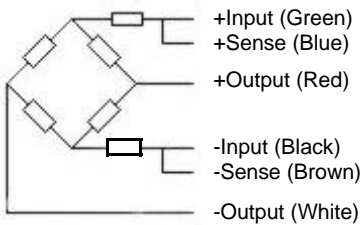
Single Point Load Cells

Grade	E	C3/30**	C6/50**	Units
Rated Capacities	50, 100, 150, 200, 250			kg
Rated Output	2.0 ± 10%			mV/V
Total Error*	0.049	0.0245	0.012	±% of Applied Load
Zero Return after 30 mins	0.05	0.017	0.008	±% of Applied Load
Temperature Effect: On Output	0.0035	0.0012	0.0006	± of Applied Load/°C
Temperature Effect: On Zero	0.0101	0.0014	0.0012	± of Rated Output/°C
Eccentric Loading	0.0074	0.0057	0.0028	±% of Applied Load/cm
Zero Balance	10			±% of Rated Output
Temperature Range: Operating	-20 to +70			°C
Temperature Range: Compensated	-10 to +40			°C
Safe Overload	150			% of Rated Capacity
Ultimate Overload	300			% of Rated Capacity
Excitation: Recommended	10			Volts AC or DC
Excitation: Maximum	15			Volts AC or DC
Input Impedance	415 ± 15			Ohms
Output Impedance	353 ± 5			Ohms
Insulation Impedance	>2000			MegaOhms
Deflection at Rated Capacity	>0.4			mm
Weight: All Types	0.6			kg
Construction	Aluminum & Anodized Aluminum			
Environmental Protection	IP66			
Cable	1.5 Meter (Standard), 6 Wire, PVC jacket, Floating Screen			

* Total Error - According to OIML R60

** Other utilization factors available upon request.

Wiring Schematic Diagram



Outline Dimensions All Capacities (in mm)

