

Aluminum Single Point Load Cell



FEATURES

- Capacities 0.3 - 3kg
- Aluminum construction
- Single point 200 x 200 platform
- IP66 protection
- Total error better than 0.0067% of rated output

Model 1004 is a very low capacity, very high precision single point load cell designed for direct mounting in low capacity scales and precision balances.

This load cell is suitable for applications including jewellery scales, analytical balances, medical equipment, medical and pharmaceutical research and low level force measurement.

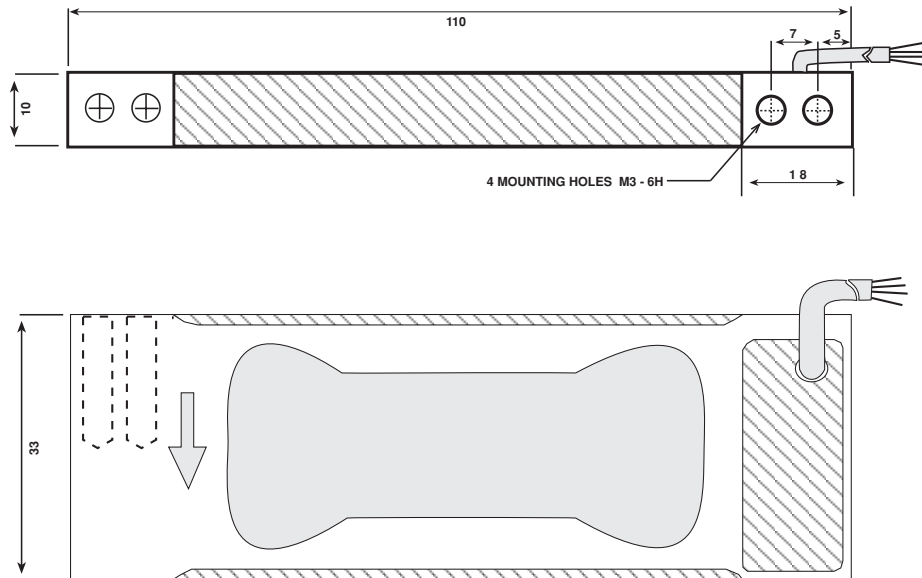
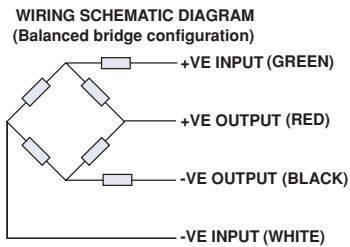
The model 1004 offers up to 30,000 divisions short term precision at stable room temperature. A special two-stage humidity resistant protective coating assures long term reliability.

An overload protection device can be easily included in the application design. A threaded hole is provided in the loading end of the load cell for this purpose.

SPECIFICATIONS			
GRADE			UNITS
Rated Capacities	0.3,0.6, 1.5,3		kg
Rated Output	0.9 ± 0.1		mV/V
Total Error	0.01	0.0067	± % of rated output
Zero Return (creep) in 2 minutes	0.01	0.0033	± % of applied load
Temperature Effect: On Output	0.002		± % of applied load/°C
Temperature Effect: On Zero	0.004		± % of rated output/°C
Eccentric Loading Error	0.0033		± % of applied load/cm
Zero Balance	5.0		± % of rated output
Temperature Range: Operating	- 3 to + 70		°C
Compensated	+5 to + 45		°C
Safe Overload	150		% of rated capacity
Ultimate Overload	250		% of rated capacity
Excitation: Recommended	10		Volts AC or DC
Maximum	15		Volts AC or DC
Input Impedance	415 ± 20		Ohms
Output Impedance	350 ± 3		Ohms
Insulation Impedance	> 2000		MegaOhms
Deflection at Rated Capacity (Central Loading)	< 0.4		mm
Weight	0.06		kg
Construction	Aluminum		
Environmental Protection	IP66		
Cable	0.4 m 4 wire, 28 AWG, spiral shield, PVC Jacket		
Platform Size	200 x 200		mm

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DIMENSIONS in millimeters



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