

Aluminum Single-Point Load Cell

FEATURES

- Capacities 2–5 kg
- Aluminum construction
- Single-point 200 x 200 mm platform
- IP66 protection
- Total error better than 0.0067% of R.O.

APPLICATIONS

- Bench scales
- Counting scales
- Grocery scales

DESCRIPTION

Model 1006 is a very low capacity, high precision single-point load cell designed for direct mounting in low capacity scales.

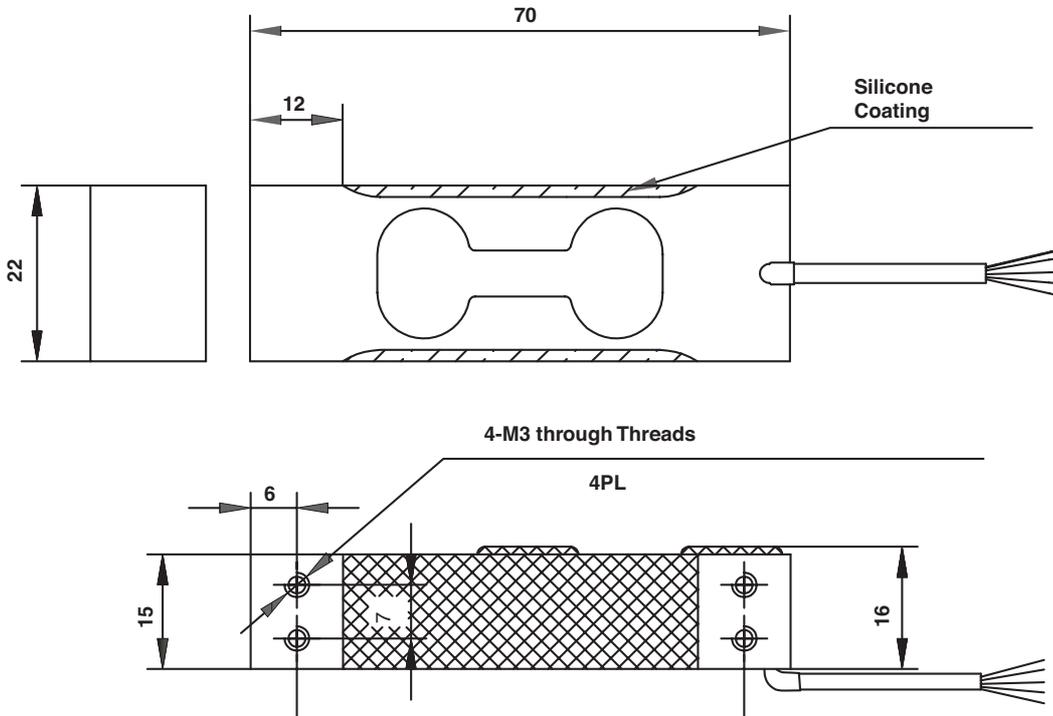
This load cell is suitable for applications including postal scales, counting scales, general-purpose weighing



scales and is also suitable for a wide variety of force measurement applications, such as industrial process control or specialist medical devices.

Model 1006 offers very high performance from a very small size. It is very easy to use, and easy to apply in a wide variety of applications, where the acting center of force application is within 100 mm of the load cell vertical axis.

OUTLINE DIMENSIONS in millimeters



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SPECIFICATIONS			
PARAMETER	VALUE		UNIT
Accuracy class	Non-Approved	G	
Maximum no. of intervals (n)	1000	3000	
Rated capacity—R.C. (E _{max})	2, 3, 5		kg
Rated output—R.O.	2.0		mV/V
Rated output tolerance	0.2		±% mV/V
Zero balance	0.2		±% mV/V
Zero return, 30 min.	0.050	0.0170	±% of applied load
Total error	0.0300	0.0200	±% of rated output
Temperature effect on zero	0.0100	0.0040	±% of rated output/°C
Temperature effect on output	0.0030	0.0010	±% of load/°C
Eccentric loading error	0.0074	0.0057	±% of rated load/cm
Temp. range, compensated	-10 to +40		°C
Temp. range, safe	-20 to +70		°C
Maximum safe central overload	150		% of R.C.
Ultimate central overload	300		% of R.C.
Excitation, recommended	10		VDC or VAC RMS
Excitation, maximum	15		VDC or VAC RMS
Input impedance	415±20		Ω
Output impedance	350±3		Ω
Insulation resistance	>2000		MΩ
Cable length	0.4		m
Cable type	4 wire, PVC, single floating screen		Standard
Construction	Aluminum		
Environmental protection	IP66		
Platform size (max)	200 x 200		mm
Recommended torque	2 and 3 kg: 4.0 5 kg: 6.0		N*m

All specifications subject to change without notice.

Wiring Schematic Diagram
(Unbalanced bridge configuration)

