

## Aluminum Single-Point Load Cell



### FEATURES

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

### DESCRIPTION

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

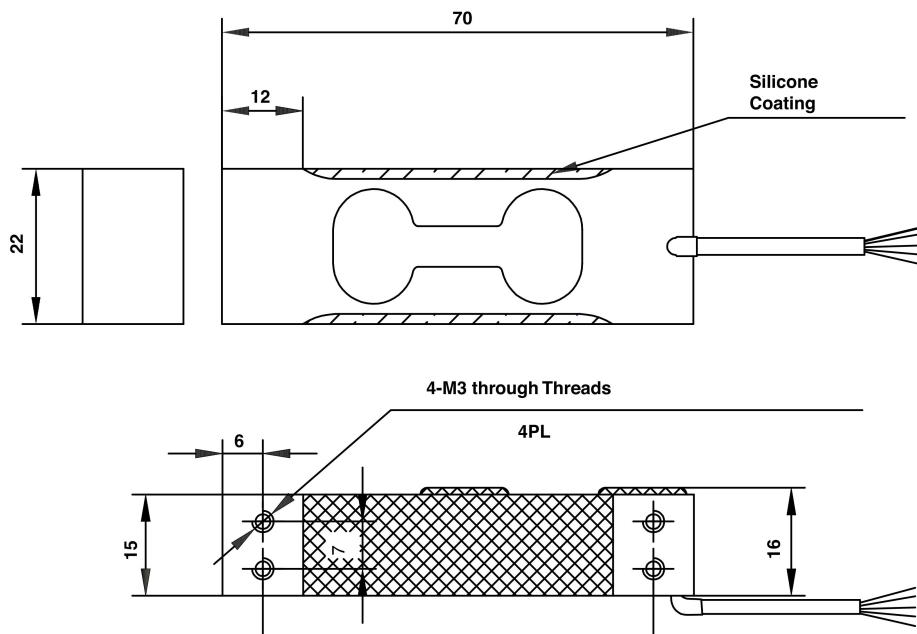
This load cell is suitable for applications including postal scales, counting scales, general-purpose weighing scales and is also suitable for a wide variety of force measurement applications, such as industrial process control or specialist medical devices.

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.

### APPLICATIONS

- Bench scales
- Counting scales
- Grocery scales

### OUTLINE DIMENSIONS in mm



All dimensions in mm

**SPECIFICATIONS**

PARAMETER	VALUE		UNIT
Accuracy class	Non-Approved	G	
Maximum no. of intervals (n)	1000	3000	
Rated capacity—R.C. (Emax)	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 minutes	0.050	0.0170	±% of applied load
Total error (per OIML R60)	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
Temperature range, compensated	-10 to +40		°C
Temperature 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		Ohms
Output impedance	350±3		Ohms
Insulation resistance	>2000		Mega-Ohms
Cable length	0.4		m
Cable type	4 wire, PVC, single floating screen		Standard
Construction	aluminum		
Environmental protection	IP66		
Recommended torque	2 and 3 kg: 4.0    5 kg: 6.0		N*m
Platform size (max)	200 x 200		mm

All specifications subject to change without notice.

**Wiring Schematic Diagram**  
 (Balanced bridge configuration)
