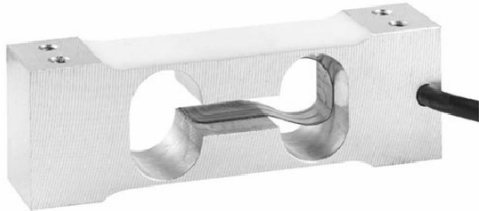


SMT1006

SINGLE POINT LOAD CELL



FEATURES

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

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.

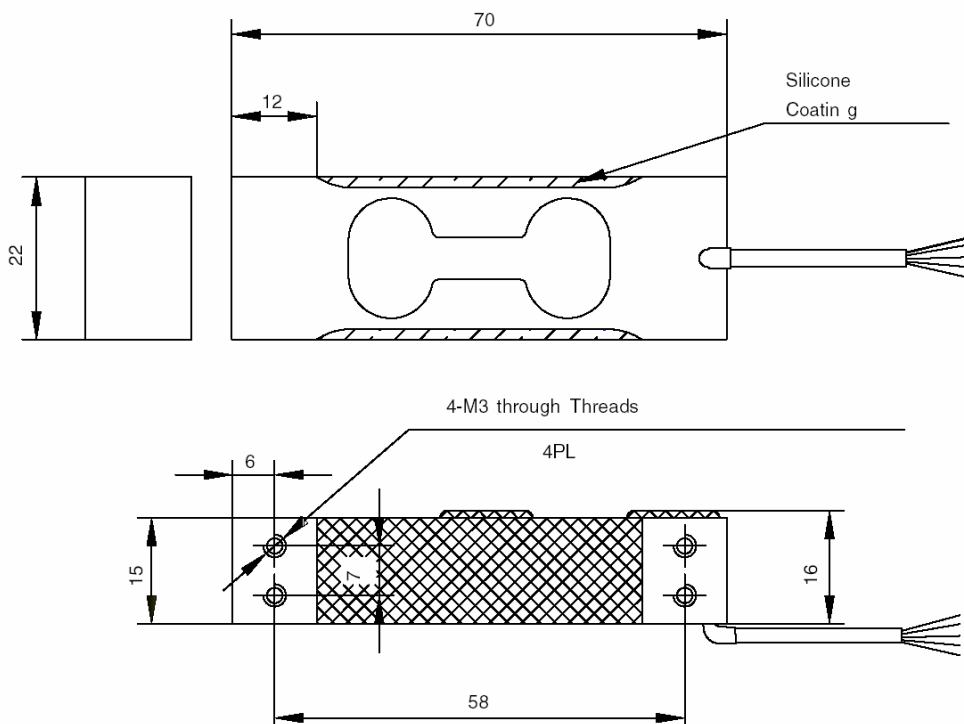
Model 1006 offers very high performance from a very small size. It is very easy to

use, and easy to apply in a wide variety of applications, where the acting center of force application is within 100mm of the load cell vertical axis.

APPLICATIONS

- Bench scales
- Counting scales
- Grocery scales

OUTLINE DIMENSIONS in millimeters



SPECIFICATIONS

PARAMETER	VALUE		UNIT
	Non-Approved	G	
Accuracy class			
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		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		
Platform size (max)	200 x 200		mm
Recommended torque	2 & 3kg - 4.0 5kg - 6.0		N*m

Wiring Schematic Diagram
(Unbalanced bridge configuration)

