

# Model 1006

## Single Point Load Cells

NEW!

### Features



- Capacities: 2 kg - 5 kg  
(4.41 lbs - 11.02 lbs)
- Aluminum construction
- Single point 200 mm x 200 mm  
(7.87" x 7.87")
- IP66 protection
- Total error better than 0.02% of rated output

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

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

The model 1006 offers very high performance from a very small size. It is 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.



EXCELLENCE IN LOAD CELLS

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# Model 1006

# Single Point Load Cells

GRADE	E	F	G	UNITS
Rated Capacity	2,3,5			kg
Rated Output	2.0 ±10%			mV/V
Rated Output Tolerance	0.02			± mV/V
Zero Balance	10.0			±% of Rated Output
Total Error Per OIML R60	0.03	0.02	0.02	±% of Rated Output
Zero Return (creep) in 30 minutes	0.05	0.025	0.017	±% of applied load
Temperature Effect: On Zero	0.01	0.006	0.004	±% of Rated Output/°C
Temperature Effect: On Output	0.003	0.0014	0.0010	±% of Applied Load/°C
Eccentric loading error	0.0085	0.0085	0.0057	±% of Applied Load/cm
Maximum recommended platform size	200 x 200			mm
Temperature Effect: Compensated	-10 to +40			°C
Temperature Effect: Safe	-30 to +70			°C
Maximum Safe Static Overload (central loading)	150			% of Rated Capacity
Ultimate Static Overload (central loading)	300			% of Rated Capacity
Excitation: Recommended	10			VAC or VDC rms
Excitation: Maximum	15			VAC or VDC rms
Input Impedance	400 ± 20			Ohms
Output Impedance	350 ± 3			Ohms
Insulation Resistance	>2000			MegaOhms
Deflection at Rated Capacity (Central Loading)	<0.4			mm
Cable Length	0.40			m
Weight (nominal)	0.52			kg
Cable Type	0.4 m, 4-wire, 28 AWG, spiral shield, PVC jacket			
Color Code	+exc-grn, +sig-red -exc-blk, -sig-wht			
Construction	Aluminum			
Compensation Circuit Type	Unbalanced			
Environmental Protection	IP66			
Outline Dimension Drawings	501.000.00-4			

Recommended bolt fixing torque: 1.4 nm (1.0 lbf.ft)

Outline Dimensions in mm (± 0.02 mm)

### Wiring Schematic Diagram

