

Model 1002

Single Point Load Cells

NEW!

Features



- Capacities: 0.5 kg - 20 kg
(1.102 lbs - 44.092 lbs)
- Aluminum construction
- Single point 200 mm x 200 mm platform
- IP66 protection
- Very small size
- Easy to use

Model 1002 is a very small, low capacity, aluminum single point load cell, equally suitable for simple weighing scales or for industrial measurement and medical applications.

The model 1002 has the advantage of very small size. It is, therefore, both versatile and easy to use in a wide variety of industrial measurement applications.

Optional 1000 ohm strain gauges are particularly suitable for connection to battery-powered equipment (designated model 1002-K).

Typical applications include packing machines, filling machines, weaving machines, industrial process control, low-force medical applications, as well as small platform weighing applications.



EXCELLENCE IN LOAD CELLS

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Model 1002

Single Point Load Cells

Model	1002	1002-K	UNITS
Grade	Z	Z	
Rated Capacity	0.5, 1, 2, 3, 5	5, 8, 15, 20	kg
Rated Output	0.5 ± 10%	1.5 ± 10% (2.0 ± 10% for 20 kg)	mV/V
Zero Balance	± 0.4	± 0.2	mV/V
Total Error Per OIML R60	0.1	0.1	±% of Rated Output
Zero Return (creep) in 1 minute	0.05	0.05	±% of Applied Load
Temperature Effect: On Output	Uncompensated	Uncompensated	
Temperature Effect: On Zero	Uncompensated	Uncompensated	
Eccentric Loading Error	0.16	0.16	±% of Applied Load/cm
Maximum recommended platform size	200 x 200	200 x 200	mm
Temperature Range: Operating	-30 - +70	-30 - +70	Degrees C
Maximum Safe Static Overload (Central Loading)	150	150	% of Rated Capacity
Ultimate Static Overload (Central Loading)	300	300	% of Rated Capacity
Excitation: Recommended	5	5	VAC or VDC rms
Excitation: Maximum	15	15	VAC or VDC rms
Input Impedance	350 ± 50	1000 ± 50	Ohms
Output Impedance	350 ± 50	1000 ± 50	Ohms
Insulation Resistance	>2000	>2000	MegaOhms
Deflection at Rated Capacity (Central Loading)	<0.4	<0.4	mm
Cable Length	0.25	0.25	m
Weight (nominal)	0.03	0.03	kg
Cable Type	0.25 m, 4-wire, AWG29	0.25 m, 4-wire, AWG29	
Construction	Aluminum	Aluminum	
Environmental Protection	IP66	IP66	
Outline Dimension Drawings	272.000.00-4		

Recommended bolt fixing torque: 6.5 nm (4.8 lbf.ft)

Outline Dimensions All Capacities

Wiring Schematic Diagram

