



- Capacities 0.5 - 20 kg
- Aluminium construction
- Single point
200 x 200 mm platform
- IP66 protection
- Very small size
- Easy to use

Model **1002** is a very small, low capacity, aluminium 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

1002

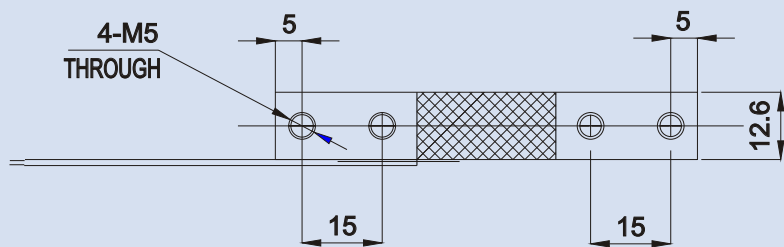
Model 1002 Aluminium single point load cell

1002 SPECIFICATION

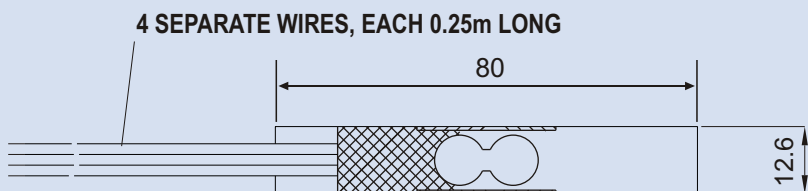
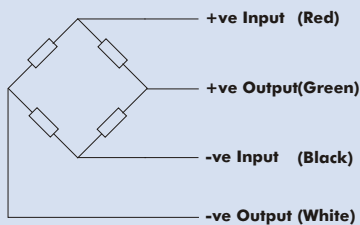
Model	1002	1002-K	UNITS
Grade	Z	Z	
Rated Capacities:	0.5, 1, 2, 3, 5	5, 8, 15, 20	kg
Rated Output	0.5 ± 10%	1.5 ± 10% (2.0 ± 10% for 20 kg)	mV/V
Total Error	0.1	0.1	±% of Rated Output
Zero Return (creep) in 1 minute	0.05	0.05	±% of Applied Load
Temperature Effect : On Output : On Zero	Uncompensated	Uncompensated	
Eccentric Loading Error	0.16	0.16	±% of Applied Load/cm
Zero Balance	± 0.4	± 0.2	mV/V
Temperature Range : Operating	-30 to +70	-30 to +70	°C
Safe Overload	150	150	% of Rated Capacity
Ultimate Overload	300	300	% of Rated Capacity
Excitation : Recommended	5	5	Volts AC or DC
: Maximum	15	15	Volts AC or DC
Input Impedance	350 ± 50	1000 ± 50	Ohms
Output Impedance	350 ± 50	1000 ± 50	Ohms
Insulation Impedance	>2000	>2000	MegaOhms
Deflection at Rated Capacity (Central Loading)	<0.4	<0.4	mm
Weight	0.03	0.03	kg
Construction	Aluminium	Aluminium	
Environmental Protection	IP66	IP66	
Cable	0.25 m 4 wire AWG 29	0.25 m 4 wire AWG 29	
Platform Size	200 x 200	200 x 200	mm

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

Outline Dimensions for All Capacities in mm.



Wiring Schematic Diagram



Due to Tedeo-Huntleigh's policy of continuous development, these specifications are subject to change without notice.

Tedeo-Huntleigh is the world's leading manufacturer of high quality, high accuracy load cells in volume production. Our manufacturing facilities are ISO 9000 registered.
For further details please contact Tedeo-Huntleigh or your local distributor, or visit our website at:
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