

# Model 1010

## Single Point Load Cells



### Features

- Capacities: 3 - 90 kg (6.6 - 198 lbs)
- Performance: NTEP 5000 approved
- Factory Mutual approved
- Anodized aluminum construction
- Platform capability: 400 mm x 400 mm (15.75" x 15.75")
- 6 wire sense circuit
- Adjustable overload protection

Model 1010 is a single point load cell designed for direct mounting of low cost, low capacity weighing platforms.

Its use in large platforms, combined with its high accuracy and low cost, make this load cell ideally suited for a large range of weighing applications, including bench scales, counting and process weighing.

A special humidity resistant protective coating is available which assures long term reliability.

Model 1010's built-in overload stop can provide mechanical protection against overloading.

The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

#### Also Available from TedeA-Huntleigh

A balanced bridge version of the model 1010 is available, designated model 1015. A complete range of single point load cells from 1 kg to 2 tons is available from TedeA-Huntleigh. Component approvals cover the world's most important and influential markets. For further details please contact TedeA-Huntleigh or your local distributor.



EXCELLENCE IN LOAD CELLS

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# Model 1010

# Single Point Load Cells

GRADE	E	F	G***	UNITS
Rated Capacities	3, 5, 7, 10, 15, 20, 30, 50**, 90 ***			kg
Rated Output	2.0 ± 10%			mV/V
Total Error*	0.030	0.020	0.020	±% of Rated Output
Zero Return after 30 mins	0.050	0.025	0.017	±% of Rated Output
Temperature Effect:: On Output	0.003	0.0014	0.001	±% of Applied Load/°C
Temperature Effect:: On Zero	0.010	0.0060	0.004	±% of Rated Load Output/°C
Eccentric Loading Error	0.0074	0.0074	0.0049**	±% of Applied Load/cm
Zero Balance		10.0		±% of Rated Output
Temperature Range: Operating	-30 to +70			°C
Temperature Range: Compensated	-10 to +40			°C
Safe Overload	150			% of Rated Capacity
Ultimate Overload	300			% of Rated Capacity
Excitation: Recommended	10			Volts AC or DC
Excitation: Maximum	15			Volts AC or DC
Input Impedance	415 ± 15			Ohms
Output Impedance	350 ± 3			Ohms
Insulation Impedance	>5000			Mega Ohms
Deflection at Rated Capacity	< 0.4			mm
Weight	0.4			kg
Construction	Anodized Aluminum			
Environmental Protection	IP54 (IP67 Optional)			
Cable	1 Meter (Standard), 6 Wire, PVC Jacket, Floating Screen			
Approvals	NTEP, Factory Mutual			

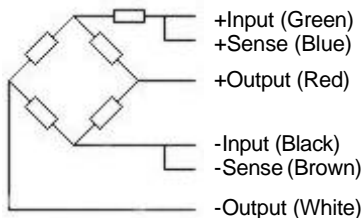
\*Total Error - According to OIML R60

\*\*50 kg Eccentric loading error 0.0057 (35 cm x 35 cm platform)

\*\*\*90 kg available in E&F grades only

## Wiring Schematic Diagram

(1010 unbalanced bridge configuration)



## Outline Dimensions All Capacities (in mm)

Both mounting faces

