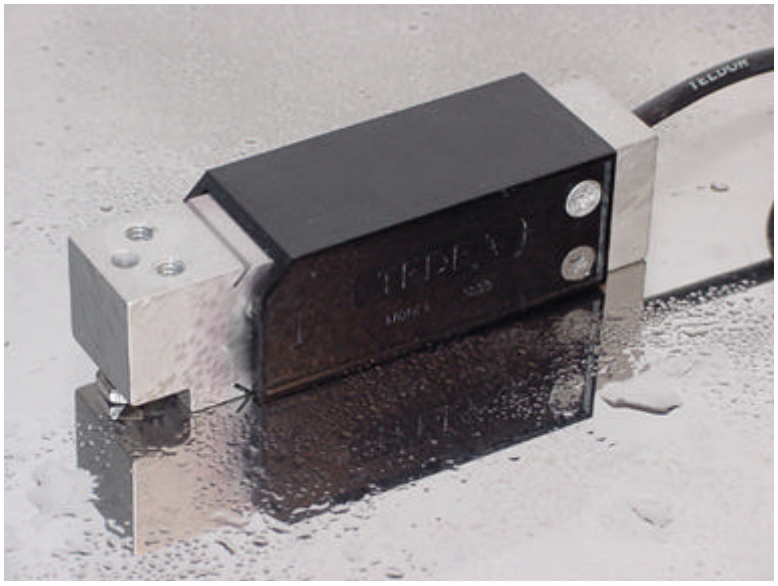
Model 1030

Single Point Load Cells



Features

- Capacities: 2 - 15 kg (4.41 - 33.07 lbs)
- Anodized aluminum construction
- Single point 350mm x 350mm
- (13.78 inch x 13.78 inch) platform
- 6 Wire (sense) circuit
- Adjustable overload protection
- OIML R60 approved

Model 1030 is a single point load cell designed for direct mounting of low cost, low capacity weighing platforms.

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

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

Model 1030'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:

The model 1030 is sealed as standard to IP54, an IP67 version is also available for more demanding applications.

A balanced bridge version of the model 1030 is available, designated model 1035.

Higher capacity single point load cells are available from Tedea-Huntleigh.

For further details please contact Tedea-Huntleigh or your local distributor.

TEDEA th. HUNTLEIGH
EXCELLENCE IN LOAD CELLS

INTERTECHNOLOGY INC.
1 Scarsdale Road, Don Mills, ON M3B 2R2
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Toll Free: 1-800-465-1600
E-Mail: sales@intertechnology.ca

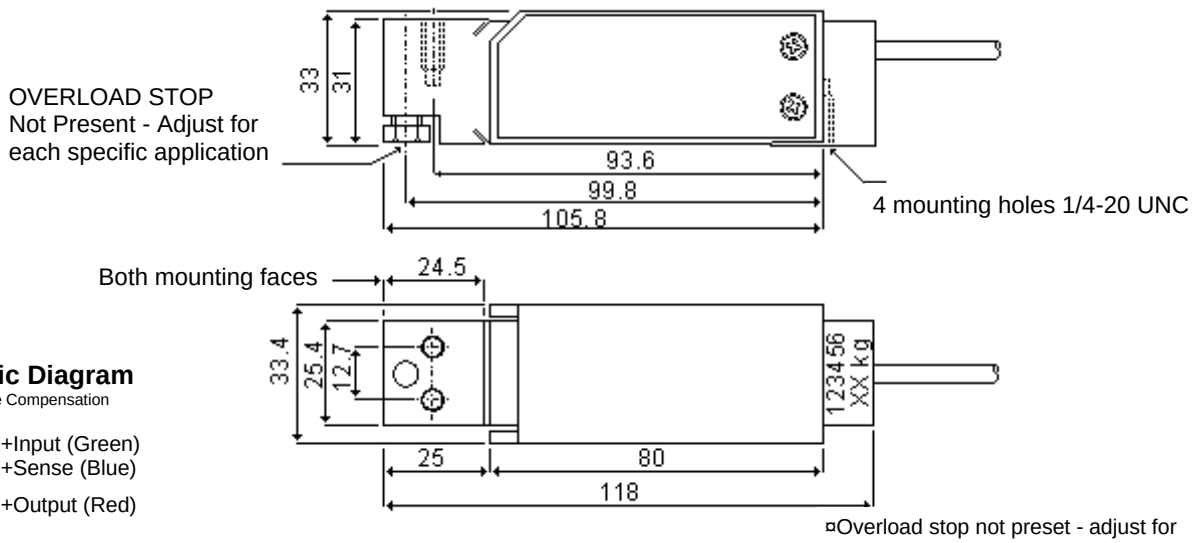
Model 1030

Single Point Load Cells

GRADE	E	F	G**	C2.5***	UNITS
Rated Capacities		2, 3, 5, 7, 10, 15		3, 5, 7, 10, 15	kg
Rated Output		2.0 ± 10%			mV/V
Total Error*	0.030	0.020	0.020	0.020	±% of Applied Load
Zero Return after 30 mins	0.050	0.025	0.017	0.017	±% of Applied Load
Temperature Effect : On Output	0.003	0.0014	0.0010	0.0010	±% of Applied Load / °C
Temperature Effect : On Zero	0.010	0.0060	0.0040	0.0028	±% of Rated Load Output / °C
Eccentric Loading Error	0.0085	0.0085	0.0057	0.0057	±% of Rated Output
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	0.3				kg
Construction	Anodized Aluminum				
Environmental Protection	IP54 (IP67 Optional)				
Cable	1 Meter (Standard), 6 Wire, PVC Jacket, Floating Screen				
Approvals	OIML R60				

* Total Error - According to OIML R60 **Standard 70% utilization ***Standard 50% utilization - Other utilization factors available on request.

Outline Dimensions All Capacities (in mm)



Wiring Schematic Diagram

Unbalanced Temperature Compensation

