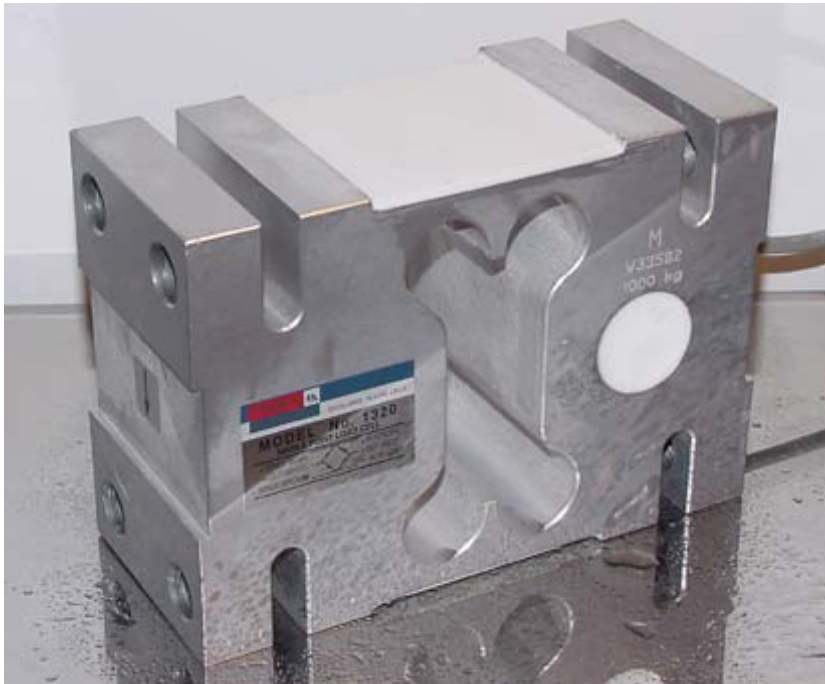


Model 1320

Single Point Load Cells



Features

- Capacities: 1000 - 2000 kg (2204 - 4409 lbs)
- Suitable for 4' X 4' NTEP platforms
- Combined error only 0.02%
- Highest capacity single point load cell available
- 6 Wire (sense) circuit
- Wash down protection (IP67) standard
- Maximum safe moment to 60 X rated capacity (kg-cm)
- Low sensitivity to side loading
- Single cell replaces 4 shear beams

Model 1320 is a high performance, single point load cell. Insensitive to off-center loads or moments, it is ideal for large platforms or as a side cell for small tanks and silos.

This high accuracy load cell is 3000 division NTEP and OIML Class C3 approved. When operated at constant temperature, all load cells offer 0.02% combined error performance regardless of accuracy class.

Single point construction makes the load cell highly immune to side forces and mounting imperfections.

A water resistant protective coating assures long-term stability even under harsh environments, including wash down, and extreme temperatures.

Tedea-Huntleigh, with models ranging from 2 to 50,000 kg capacities, is the world's largest manufacturer of precision load cells.



EXCELLENCE IN LOAD CELLS

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Model 1320

Single Point Load Cells

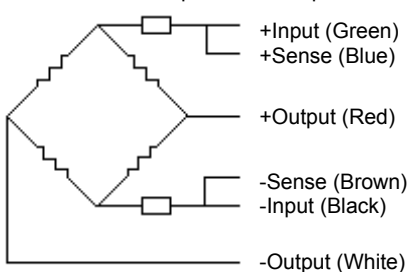
ACCURACY CLASS	E	F	G	UNITS
Rated Capacity	1000, 1500, 2000			kg
Rated Output*	2.0 ± 10%			mV/V
Total Error**	1500	2000	3000	Divisions
Total Error for Eccentric Load of 0.33 Rated Capacity	0.0025	0.0025	0.0017	±% of Load / cm
Maximum Moment	60 X Rated Capacity			kg - cm
Creep at Rated Capacity / Zero Return After 30 Minutes	0.050	0.025	0.017	±% of Load
Zero Balance	10			±% of Rated Output
Temperature Range: Safe	-30 to +70			°C
Temperature Range: Compensated	-10 to +40			°C
Temperature Effect : On Output				±% of Applied Load / °C
Temperature Effect : On Zero				±% of Rated Output / °C
Maximum Overload at the Center Loading Point	150			% of Rated Capacity
Ultimate Overload at the Center Loading Point	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 Resistance	>2000			Mega Ohms
Deflection at Rated Capacity	<0.4			mm
Weight	3.6			kg
Construction	Anodized Aluminum			
Cable	6 Meter, 6 Conductor, Polyurethane Jacket, Dual Floating Shield			
Environmental Protection	IP67			
Approvals				

* All accuracy specifications maintained when 150% of nominal load is applied for 3 mV/V output

**Non-linearity, hysteresis, repeatability, and output temperature effect according to OIML R60 and NIST H-44

Wiring Diagram

Balanced Temperature Compensation



The two "sense" wires sample the bridge supply voltage at the load cell. Complete compensation of change in the lead wire resistance, due to temperature change and / or cable extension, is achieved by feeding this voltage into appropriate electronics.

Outline Dimensions All Capacities (in inches)

