

# Model 1252

## Single Point Load Cells

**NEW!**



### Features

- Capacities: 75 kg to 635 kg
- Combined error only 0.02%
- Unique humidity-resistant protective coating
- 6 wire (sense) circuit
- Low sensitivity to side loading
- Maximum safe moment to 30x rated capacity (Kg Cm).

Model 1252 is a high performance, high capacity, off-center load cell designed for use in larger platforms, conveyors, hoppers, or other industrial applications. It combines accuracy with ruggedness and versatility.

When operated at constant temperature, all load cells offer 0.02% combined error performance regardless of accuracy class.

Two beam construction offers high immunity to side forces and mounting imperfections at an economical price.

A unique humidity-resistant protective coating assures long term stability even under harsh environments and extreme temperatures. Specially suited for applications requiring wash-down protection.

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

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EXCELLENCE IN LOAD CELLS

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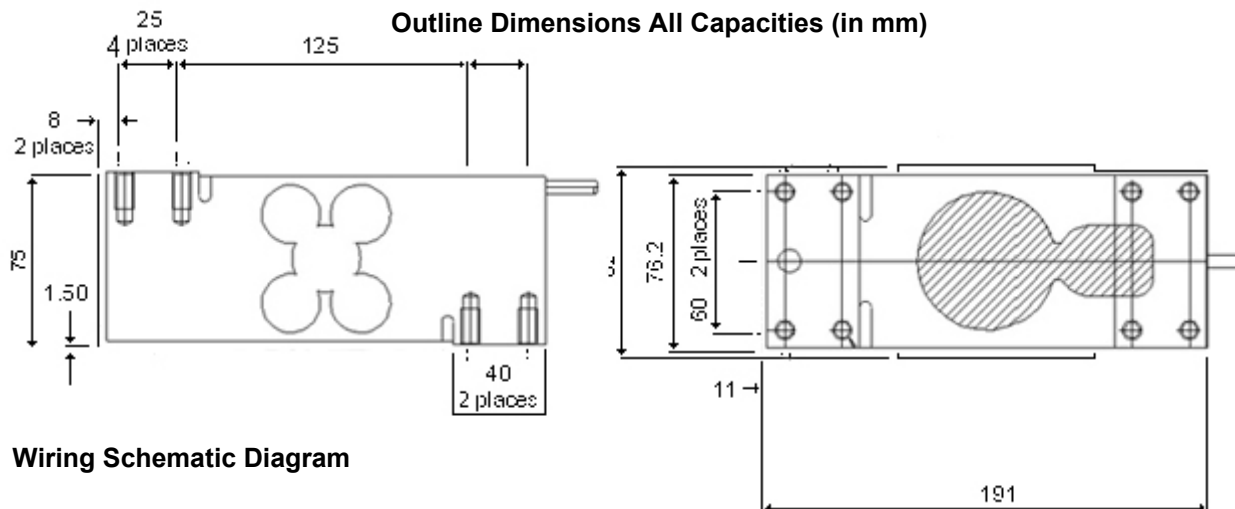
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# Single Point Load Cells

Parameter	Value							Unit
	Z	M	E	F	G	G5	G3	
T-H Accuracy Class	Z	M	E	F	G	G5	G3	
Rated Capacity R-C	75, 100, 150, 200, 300, 500, 635							kg
Rated output R-O	2							mV/V
Rated Output Tolerance	0.2							+ - mV/V
Zero Balance	0.2							+ - % of Rated Output
Total error per OIML R60	0.075	0.05	0.03	0.02	0.02	0.02	0.02	+ - % of Rated Output
Zero Return (30 min.)	0.07	0.07	0.05	0.025	0.017	0.017	0.017	+ - % of load
Temperature effect: On zero	0.025	0.025	0.01	0.006	0.004	0.0023	0.0014	+ - % of Rated Output/°C
Temperature effect: On output	0.007	0.005	0.003	0.001 4	0.001	0.001	0.001	+ - % of Applied Load/°C
Eccentric Loading Error	0.01	0.001	0.005	0.005	0.0033	0.0033	0.0033	+ - % of load/cm
Maximum recommended platform size	60x60							cm
Temperature Range: Compensated	-10 to +40							°C
Temperature Range: Safe	-30 to +70							°C
Maximum safe static overload (central loading)	150							% of R.C.
Ultimate static overload	300							% of R.C.
Excitation: Recommended	10							VDc or VAc
Excitation: Maximum	15							VDc or VAc
Input impedance	415 +- 15							Ω
Output impedance	350 +- 3							Ω
Insulation resistance	> 5000							MΩ
Deflection at Rated Capacity	<0.4							mm
Cable Length	3							m
Weight (nominal)	2.5							kg
Cable type	6 conductor, 26 AWG, Shielded, Polyurethane Jacket							
Construction	Aluminum							
Compensation circuit type	Balanced							
Environmental Protection	IP 65							
Outline Dimensions drawing	288.000.00-3							

**Outline Dimensions All Capacities (in mm)**



**Wiring Schematic Diagram**

