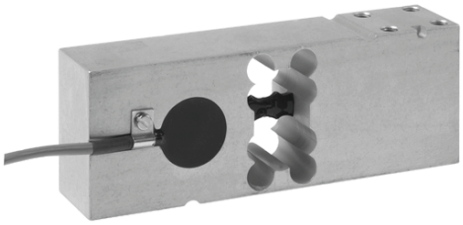
Model 1265

Vishay Tedea-Huntleigh

Single Point Load Cell



OIML ATEX

FEATURES

- Capacity range: 100 to 660kg
- Rigid, anodized aluminum construction
- OIML approved to C6 (150 - 660kg)
- Single point 800 x 800mm platform
- Minimal deflection and high natural frequency
- Sealed to IP66

OPTIONAL FEATURES

- 2G EEx ia IIC T4 - ATEX hazardous area approval
- UNC threads
- Sealing to IP67 with encapsulation protection

DESCRIPTION

Model 1265 is an anodized aluminum single point load cell suitable for direct mounting with large platforms, check weighers, and a wide range of other applications.

A unique rigid design allows for low deflection and high natural frequency, making the 1265 suitable for dynamic applications such as Check Weighers.

This load cell supports large platforms up to 800 x 800mm. High accuracy (6000d) is maintained for overall characteristics (OIML R60) and for eccentric loading (OIML R76).

A humidity-resistant protective coating assures stable operation in damp environments over the entire compensated range and conforms to IP66 (IEC 60529).

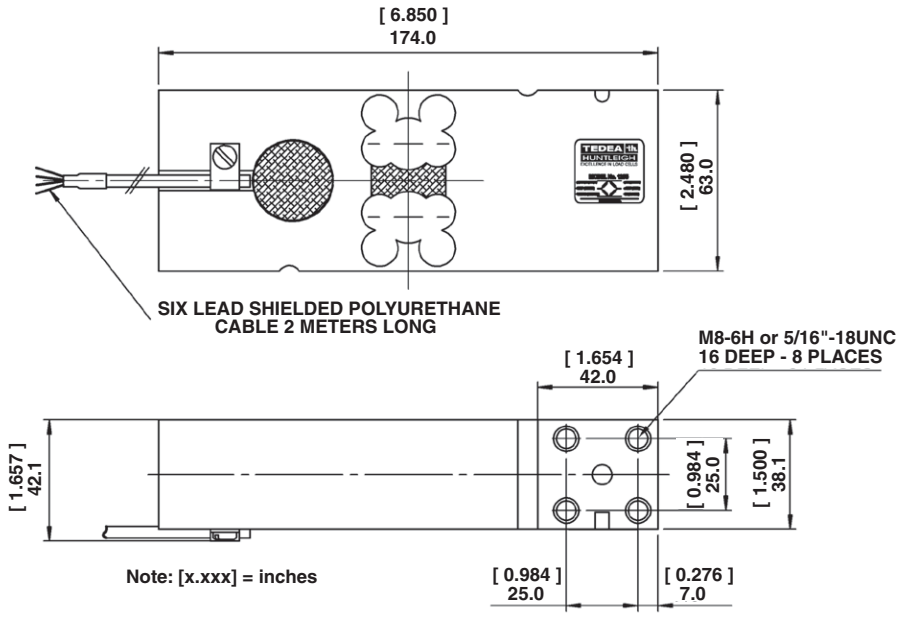
For very humid environments, an IP67 rated encapsulated protection is available. Also available is an ATEX 2G EEx ia IIC T4 approved version for hazardous areas.

The six-wire cable includes two sense wires that compensate for changes in lead resistance due to temperature changes and cable extension.

APPLICATIONS

- Platform scales
- Bag fillers
- Check weighers
- Overhead track scales
- Process weighing

OUTLINE DIMENSIONS in millimeters



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SPECIFICATIONS

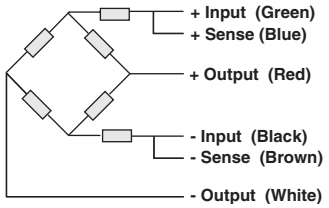
PARAMETER	VALUE			UNIT
Rated capacity-R.C. (E_{max})	100, 150, 200, 250, 300, 500, 600, 635, 660			kg
NTEP/OIML Accuracy class	**Non-Approved**	**C3***	**C6****	
Maximum no. of intervals (n)	1000	3000	6000	
$Y = E_{max}/V_{min}$	2000	15000	15000	Maximum available
Rated output-R.O.	2.0			mV/V
Rated output tolerance	0.2			±mV/V
Zero balance	0.2			+mV/V
Zero Return, 30 min.	0.0300	0.0170	0.0083	±% of applied load
Total Error	0.0500	0.0200	0.0100	±% of rated output
Temperature effect on zero	0.0100	0.0023	0.0024	±% of rated output/°C
Temperature effect on output	0.0030	0.0010	0.00058	±% of applied load/°C
Eccentric loading error	0.0070	0.0025	0.0012	±% of rated load/cm
Temperature range, compensated	-10 to +40			°C
Temperature range, safe	-30 to +70			°C
Maximum safe central overload	150			% of R.C.
Ultimate central overload	300			% of R.C.
Excitation, recommended	10			Vdc or Vac rms
Excitation, maximum	15			Vdc or Vac rms
Input impedance	415±15			Ohms
Output impedance	350±5			Ohms
Insulation resistance	>2000			Mega-Ohms
Cable length	2			m
Cable type	6 wire, PVC, single floating screen			Standard
Construction	Plated (anodized) aluminum			
Environmental protection	IP66			
Platform size (max)	800 x 800			mm
Recommended torque	Up to 300kg - 25.0 Above 300kg - 30.0			N*m

* 50% utilization

** 60% utilization, and for capacities 150kg and up

Wiring Schematic Diagram

(Balanced bridge temperature compensation)



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