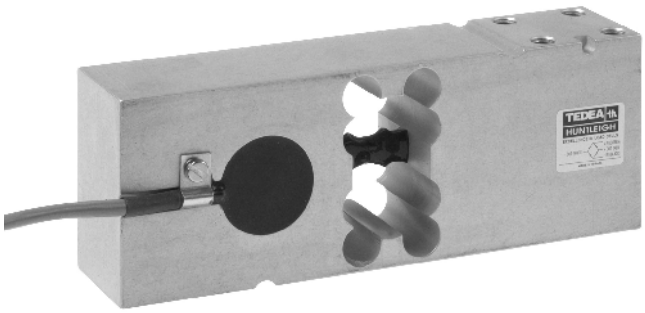
Model 1265

Vishay Tedea-Huntleigh

Single Point Load Cell



FEATURES

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

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 800 mm. 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.

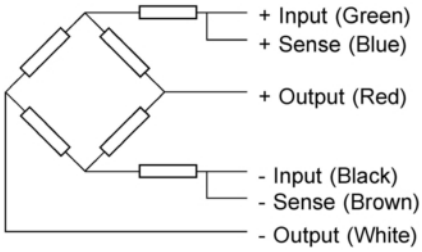
The six-wire cable includes two sense wires that compensate for changes in lead resistance due to temperature changes and cable extension.

APPLICATIONS

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

OUTLINE DIMENSIONS

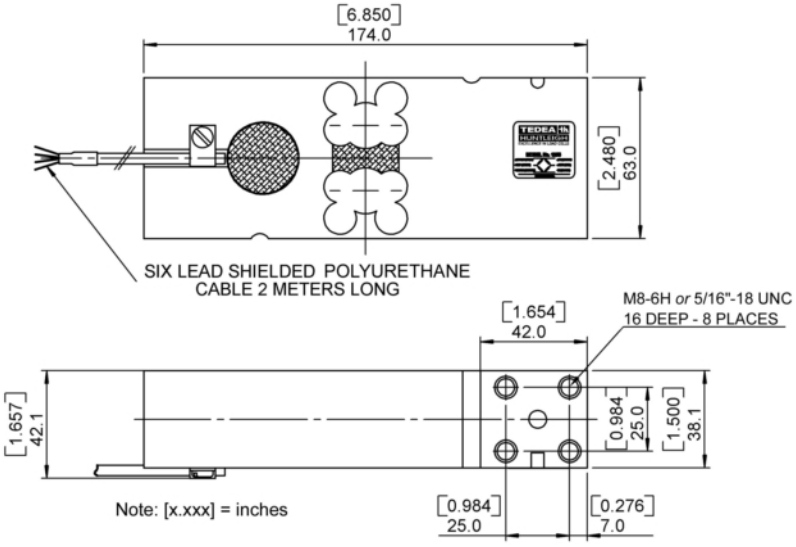
Wiring Schematic Diagram



Balanced Bridge Temperature Compensation

Mounting Torque

For Capacities: 100 - 300 kg = 25 N•m
500 - 660 kg = 30 N•m



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SPECIFICATIONS

PARAMETER	VALUE			UNITS
Accuracy class	E (std.)	OIML C3/50	OIML C6/60 j	
Rated capacity-R.C.	100, 150, 200, 250, 300, 500, 660			kg
Rated output-R.O.	2 ± 10%			mV/V
Zero balance	10			± % of R.O.
Total error per OIML R60	0.03	0.020	0.01	± % of R.O.
Zero return (30 min.)	0.05	0.017	0.0083	± % of load
Temperature effect on zero	0.01	0.0023	0.0014	± % of R.O./°C
Minimum verification interval (V_{min}) k	E_{max}/2000	E_{max}/6000	E_{max}/10000	
Temperature effect on output	0.003	0.001	0.00058	± % of load/°C
Eccentric loading error	0.01	0.0035	0.0018 l	± % of load/cm
Maximum platform size	800 x 800 m			mm
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 (central loading)	250			% of R.C.
Deflection at rated capacity	100 - 300 kg = 0.23 ± 10% 500 - 660 kg = 0.33 ± 10%			mm
Cable type	6 Conductors, 26 AWG, Shielded, Polyurethane jacket			
Cable length	2			m
Excitation, recommended	10			Vdc or Vac rms
Excitation, maximum	15			Vdc or Vac rms
Input impedance	415 ± 15			Ω
Output impedance	350 ± 3			Ω
Insulation resistance	> 2000			MΩ
Construction	Anodized aluminum			
Environmental protection	IP66 (IEC 60529) IP67 optional			

NOTES:
1). Class C6 for capacities 150 - 660 kg
2). Smaller V_{min} values are available at request.
3). Eccentric loading error for class C6 is applicable for scale platforms up to 300 kg
4). According to OIML R76
Due to Vishay Tedea-Huntleigh's policy of continuous development, specifications may change without notice

VISHAY TRANSDUCERS (VT) - SALES OFFICE Denmark

Nordic Transducer
Als Odde DK9560 Hadsund Denmark
ph.: +45 98581444 - Fax. +45 98581866
e-mail: ntt@ntt.dk - web: www.ntt.dk