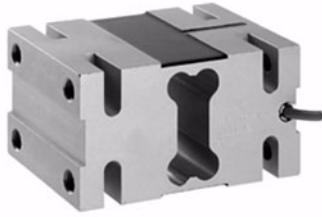


Aluminum Single Point Load Cell



FEATURES

- Capacities 500 - 1000kg
- Aluminum construction
- Single point 800 x 800mm platform
- OIML R60
- IP66 protection
- Available with metric threads

OPTIONAL FEATURE

- EEx ia IIC T4 hazardous area approval

DESCRIPTION

Model 1330 is a high capacity single point load cell designed for direct mounting of low profile high capacity weighing platforms up to 800 x 800mm.

The large platform size simplifies the construction of floor scales, baggage scales, hanging scales and other types of weighing machines.

A special humidity resistant protective coating assures long term reliability.

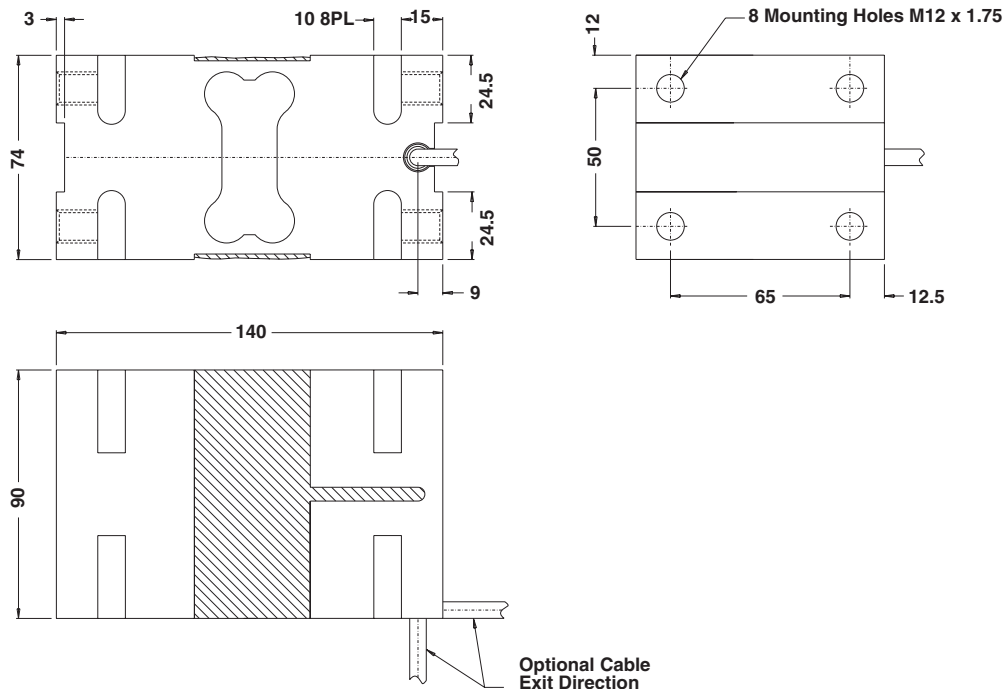
The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

APPLICATIONS

- Large platform scales
- Hanging scales
- Check weighing

OUTLINE DIMENSIONS in millimeters

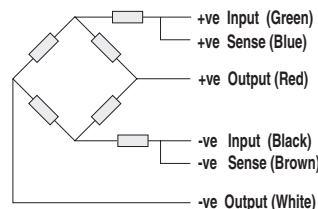
Outline Dimensions All Capacities in mm.



**SPECIFICATIONS**

| PARAMETER | VALUE | | UNIT |
|-----------------------------------|--|--------|-----------------------|
| Rated capacity-R.C. (E_{max}) | 500, 750, 1000 | | kg |
| NTEP/OIML Accuracy class | Non-Approved | C3* | |
| Maximum no. of intervals (n) | 1000 | 3000 | |
| $Y = E_{max}/V_{min}$ | 2000 | 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. | 0.050 | 0.0170 | ±% of applied load |
| Total Error | 0.0300 | 0.0200 | ±% of rated output |
| Temperature effect on zero | 0.0100 | 0.0023 | ±% of rated output/°C |
| Temperature effect on output | 0.0030 | 0.0010 | ±% of applied load/°C |
| Eccentric loading error | 0.0037 | 0.0025 | ±% of rated load/cm |
| Temperature range, compensated | -10 to +40 | | °C |
| Temperature range, safe | -20 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±3 | | Ohms |
| Insulation resistance | >2000 | | Mega-Ohms |
| Cable length | 3 | | m |
| Cable type | 6 wire, braided, Polyurethane, floating screen | | Standard |
| Construction | Plated (Anodized) aluminum | | |
| Environmental protection | IP66 | | |
| Platform size (max) | 800 x 800 | | mm |
| Recommended torque | 130 | | N*m |

* 50% utilization

Wiring Schematic Diagram**BALANCED TEMPERATURE COMPENSATION****VISHAY TRANSDUCERS (VT) SALES OFFICES**

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