

Aluminum Single-Point Load Cell

FEATURES

- Capacities 500–1000 kg
- Aluminum construction
- Single-point 800 x 800 mm platform
- Certified to OIML R60 3000d
- IP66 protection
- Available with metric threads
- **Optional**
 - EEx ia IIC T4 hazardous area approval



APPLICATIONS

- Large platform scales
- Hanging scales
- Check weighing

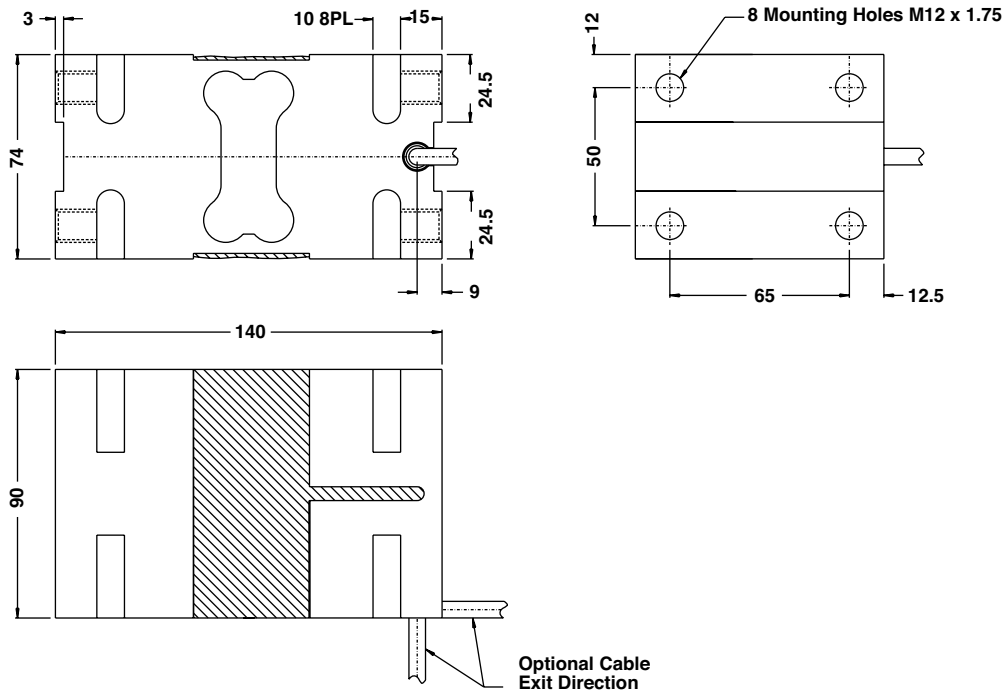
DESCRIPTION

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 800 mm.

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.

OUTLINE DIMENSIONS in millimeters



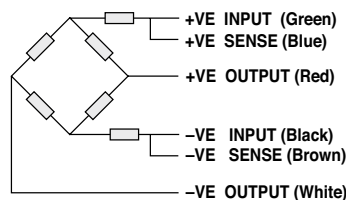
Aluminum Single-Point Load Cell

| 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 | | Ω |
| Output impedance | 350±3 | | Ω |
| Insulation resistance | >2000 | | MΩ |
| 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

All specifications subject to change without notice.

WIRING SCHEMATIC DIAGRAM (Balanced temperature compensation)



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