

Aluminum Single-Point Load Cell

FEATURES

- Capacity range: 75–635 kg
- Aluminum construction
- Single-point 600 × 600 mm platform
- OIML R60
- IP65 protection
- Available with metric and UNC threads
- **Optional**
 - ATEX, FM and IECEx approvals available



APPLICATIONS

- Large platform scales
- Hanging scales
- Check weighing



DESCRIPTION

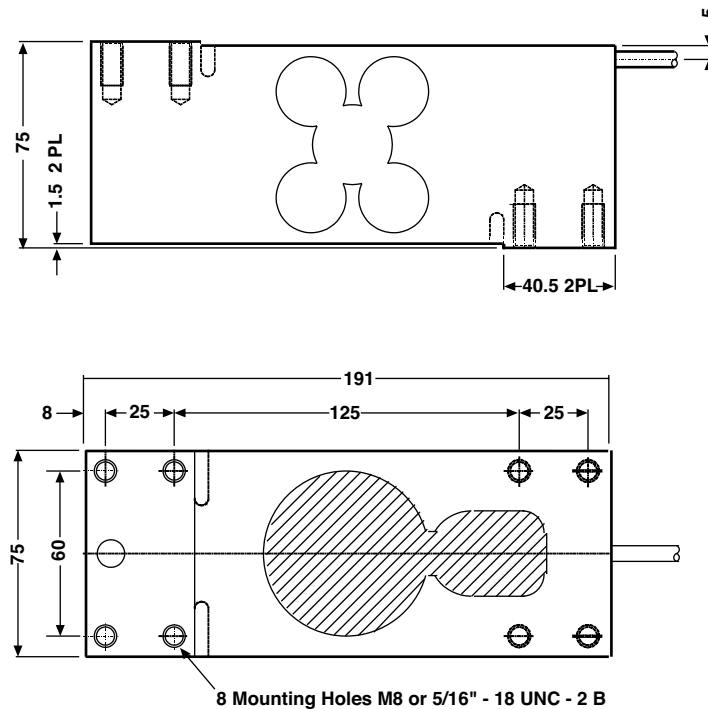
Model 1252 is a high capacity single-point load cell fully interchangeable with Model 1250, designed for direct mounting of the weighing platform or side cell applications.

Resulting from simpler scale construction Model 1252 is a cost-effective load cell for use in counting, weighing, bench or floor scale productions.

A special humidity-resistant protective coating assures long-term stability over the entire compensated temperature range. This load cell has Factory Mutual approval and IP66 protection.

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

OUTLINE DIMENSIONS in millimeters

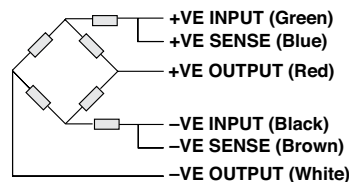


Aluminum Single-Point Load Cell

| SPECIFICATIONS | | | |
|-----------------------------------|--|--------|-----------------------|
| PARAMETER | VALUE | | UNIT |
| Rated capacity—R.C. (E_{max}) | 75, 100, 150, 200, 300, 500, 635** | | kg |
| NTEP/OIML accuracy class | Non-Approved | C3* | |
| Maximum no. of intervals (n) | 1000 | 3000 | |
| $Y = E_{max}/V_{min}$ | 2000 | 10000 | Max. 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. | 0.05 | 0.0170 | ±% of applied load |
| Total error (per OIML R60) | 0.0500 | 0.0200 | ±% of rated output |
| Temperature effect on zero | 0.0100 | 0.004 | ±% of rated output/°C |
| Temperature effect on output | 0.0030 | 0.0010 | ±% of applied load/°C |
| Eccentric loading error | 0.0050 | 0.0033 | ±% 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 | | Ω |
| Output impedance | 350±3 | | Ω |
| Insulation resistance | >2000 | | MΩ |
| Cable length | 3.0 | | m |
| Cable type | 6-wire, braided, Polyurethane, floating screen | | Standard |
| Construction | Plated (anodized) aluminum | | |
| Environmental protection | IP65 | | |
| Platform size (max.) | 600 x 600 | | mm |
| Recommended torque | 16.0 | | N*m |

* 50% utilization
 ** Capacities 500 and 635 are not approved
 All specifications subject to change without notice.

WIRING SCHEMATIC DIAGRAM
(Balanced bridge temperature compensation)





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