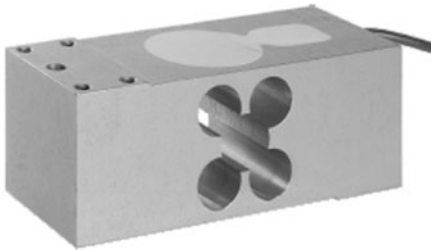


Aluminum Single Point Load Cell



ATEX



FEATURES

- Capacity range: 75 - 635kg
- Aluminum construction
- Single point 600 x 600mm platform
- OIML R60
- IP66 protection
- Available with metric and UNC threads

OPTIONAL FEATURES

- EEx ia IIC T4 hazardous area approval
- FM approval available

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.

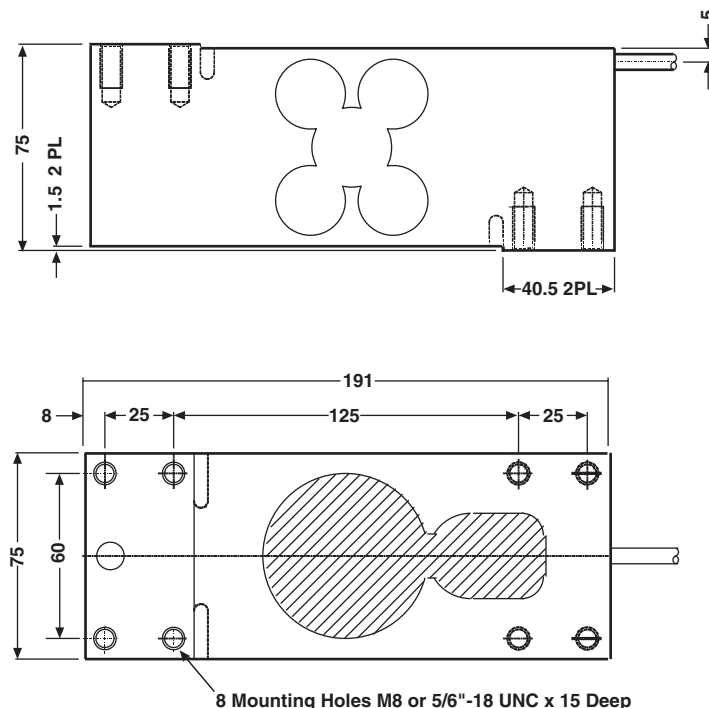
This load cell has Factory Mutual approval and IP66 protection.

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.

APPLICATIONS

- Large platform scales
- Hanging scales
- Check weighing

OUTLINE DIMENSIONS in mm



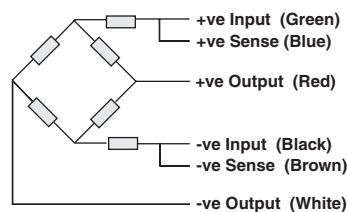
SPECIFICATIONS

| PARAMETER | VALUE | | UNIT |
|-----------------------------------|--|--------|-----------------------|
| Rated capacity-R.C. (E_{max}) | 75, 100, 150, 200, 250, 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. | 0.0300 | 0.0170 | ±% of applied load |
| Total Error (per OIML R60) | 0.0500 | 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 | 0.0050 | 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 | | Ohms |
| Output impedance | 350±3 | | Ohms |
| Insulation resistance | >2000 | | Mega-Ohms |
| Cable length | 3.0 | | m |
| Cable type | 6 wire, braided, Polyurethane, floating screen | | Standard |
| Construction | Plated (anodized) aluminum | | |
| Environmental protection | IP66 | | |
| Platform size (max) | 600 x 600 | | mm |
| Recommended torque | 16.0 | | N*m |

* 50% utilization

** Capacities 500 & 635 are not approved

Wiring Schematic Diagram
(Balanced bridge temperature compensation)



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay Precision Group"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify Vishay Precision Group's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

Vishay Precision Group makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, Vishay Precision Group disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on Vishay Precision Group's knowledge of typical requirements that are often placed on Vishay Precision Group products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of Vishay Precision Group.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay Precision Group products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay Precision Group for any damages arising or resulting from such use or sale. Please contact authorized Vishay Precision Group personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.