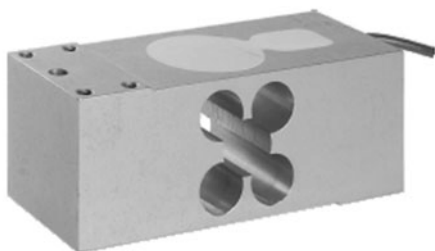


Aluminum Single Point Load Cell



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.

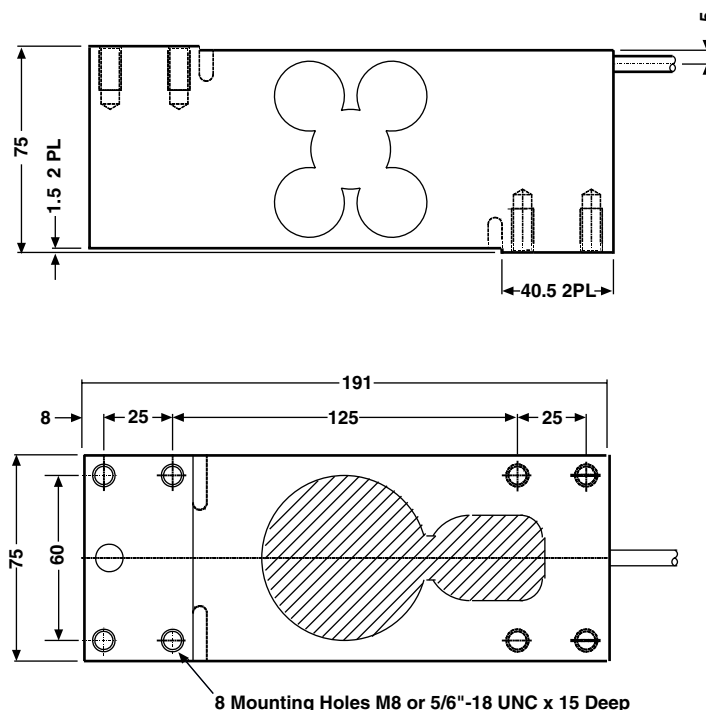
This load cell has Factory Mutual approval and IP66 protection.

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



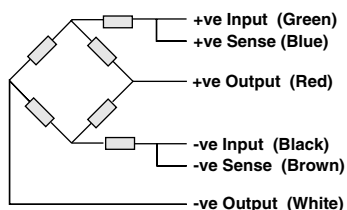
**SPECIFICATIONS**

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 product specifications and data are subject to change without notice.

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

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

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

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