Sensortronics



Low Profile Platform Cell



FEATURES

- Rated capacities of 25 to 1000 pounds
- · Constructed of stainless steel
- Moment-compensated design for minimal sensitivity to moments induced by off-center loading
- Exceeds NIST H-44 requirements
- Provides optimum protection under adverse loading conditions
- Sensorgage[™] sealed to IP67 standards
- Factory Mutual System Approved for Classes I, II, III;
 Divisions 1 and 2; Groups A through G.
 Also, non-incendive ratings (No barriers!)

DESCRIPTION

The 60048 is a high precision, stainless steel, single point platform load cell.

This product's availability in capacities ranging from 25 to 1000 lbs. makes it ideal for many low to mid range capacity weighing applications. This load cell is most commonly used in platform scales, but can be adapted for use in many process weighing applications.

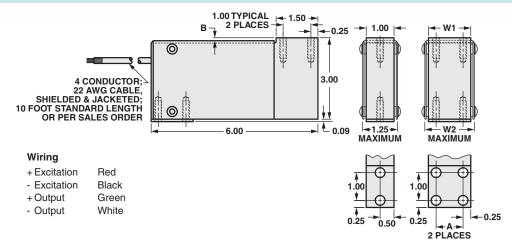
The stainless steel construction and IP67 sealing make this load cell ideal for harsh environment applications.

This product is rated intrinsically safe by the Factory Mutual System (FM); making it suitable for use in potentially explosive environments.

APPLICATIONS

- Single-point platform scales
- Belt conveyor scales
- Bench and counting scales
- Checkweighing scales
- Hopper scales and netweighing

OUTLINE DIMENSIONS in inches



CAPACITY	W1	W2	Α	В	THREAD
25				0.04	1/4-28 UNF-2B THREAD X 0.75 MIN., 4 PLACES
50 - 100				0.04	1/4-28 UNF-2B THREAD X 0.75 MIN., 4 PLACES
200				0.04	1/4-28 UNF-2B THREAD X 0.75 MIN., 4 PLACES
400 - 500	1.00	1.25	0.50	0.04	1/4-28 UNF-2B THREAD X 0.75 MIN., 4 PLACES
1K	1.50	1.75	1.00	0.18	5/16-24 UNF-2B THREADX 0.75 MIN., 8 PLACES

Capacities are in pounds.





Low Profile Platform Cell

SPECIFICATIONS				
PARAMETER	VALUE	VALUE		
Rated capacity-R.C. (E _{max})	25, 50, 100, 200, 40	25, 50, 100, 200, 400, 500, 1000		
NTEP/OIML Accuracy class	Non-Appro			
Rated output-R.O.	2.0	2.0		
Rated output tolerance	+0.251	+0.2510%		
Zero balance	1.0	1.0		
Combined error	0.03	0.03		
Non-repeatability	0.01	0.01		
Creep error (20 minutes)	0.03	0.03		
Temperature effect on zero	0.0015	0.0015		
Temperature effect on output	0.0008	0.0008		
Compensated temperature range	14 to 104 (-10	14 to 104 (-10 to 40)		
Operating temperature range	0 to 150 (-18	0 to 150 (-18 to 65)		
Storage temperature range	-60 to 185 (-50	-60 to 185 (-50 to 85)		
Sideload rejection ratio	500:1			
Safe sideload	30	30		
Maximum safe central overload	150	150		
Ultimate central overload	300	300		
Excitation, recommended	10	10		
Excitation, maximum	15	15		
Input impedance	350 - 45	350 - 450		
Output impedance	349 - 35	349 - 355		
Insulation resistance at 50 VDC	>1000	>1000		
Material	Stainless s	Stainless steel		
Environmental protection	IP67	IP67		
Moment compensation	25-500 lbs	1000 lbs		
Moment sensitivity	0.005	0.007	±% of load/inch	
Maximum moment	10 x capacity	15000	lbs-inches	
Platform size	20 x 20	30 x 30	inches	

FSO - Full Scale Output

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Vishay Precision Group

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