

MODEL 60048

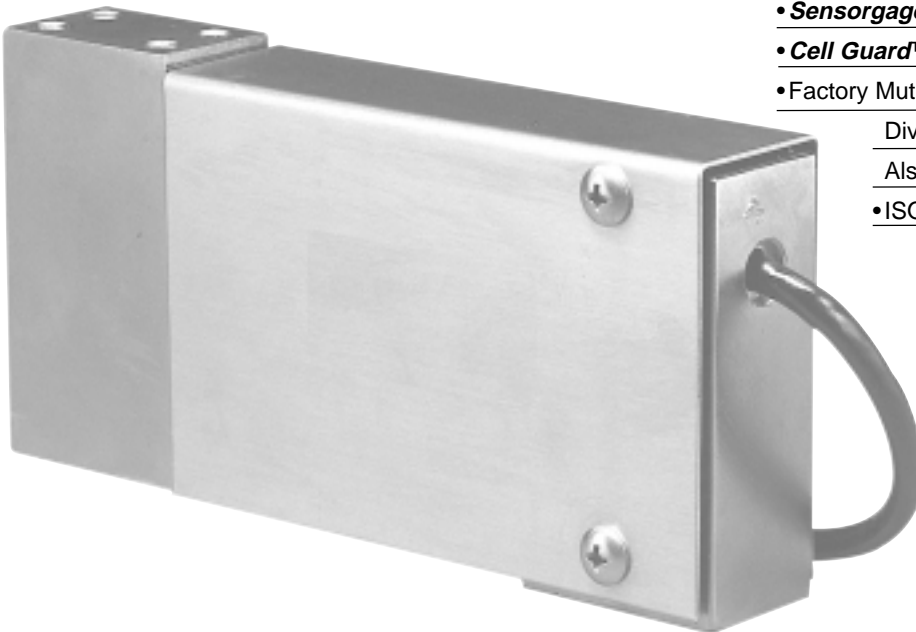
LOW PROFILE PLATFORM LOAD CELL

APPLICATIONS

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

FEATURES

- Rated capacities of 25 to 1,000 pounds
- Constructed of high-quality alloy steel
- Nickel plated for outstanding corrosion resistance
- Moment-compensated design for minimal sensitivity to moments induced by off-center loading
- Exceeds NIST H-44 requirements
- Stainless steel versions available - suitable for washdown
- Provides optimum protection under adverse loading conditions
- **Sensorgage™** sealed to IP63 standards
- **Cell Guard™** Two Year Warranty
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G.
Also, **Non-Incendive** ratings (No Barriers!)
- ISO 9001 Certified manufacturing facilities



ISO
9001

Factory
Mutual
System
Approved



Model 60048 Performance Specifications

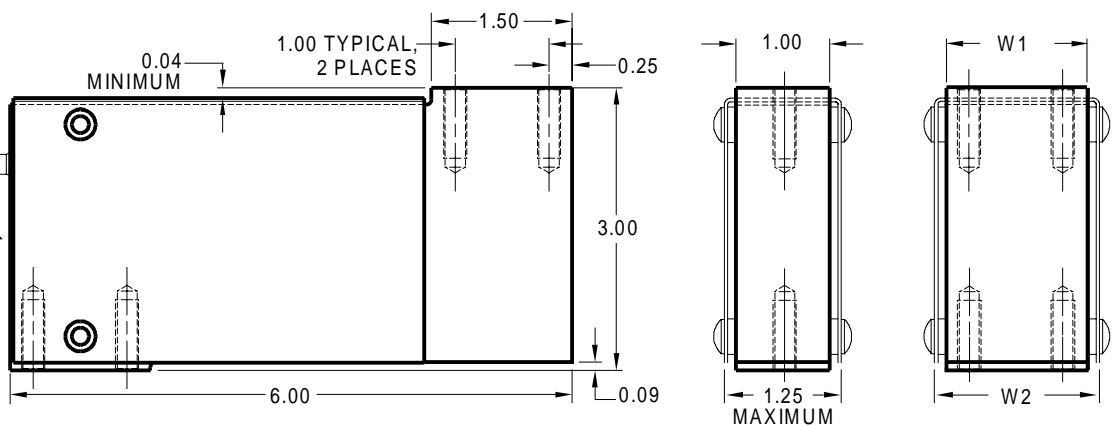
Rated Capacities (lbs): 25, 50, 100, 200, 400, 500, 1K
 Full Scale Output (FSO): 2.0 mV/V +25% / -10%

Accuracy Class:	<u>Standard</u>	
Combined Error % FSO	≤ .03	
Non-Linearity % FSO	≤ .03	
Hysteresis % FSO	≤ .02	
Creep Error % FSO	≤ .03 in 20 minutes	
Temperature Effect on:		
• Zero % FSO/°F	≤ 0.0015	
• Output % of Load/°F	≤ 0.0008	
Non-Repeatability % FSO	≤ .01	
Zero Balance % FSO	≤ 1.0	
Insulation Resistance	> 1000 Mohms at 50VDC	
Compensated Temperature Range	14° to 104°F / -10° to 40°C	
Operating Temperature Range	0° to 150°F / -18° to 65°C	
Storage Temperature Range	-60° to 185°F / -50° to 85°C	
Input Resistance	350-450 Ohms	
Output Resistance	349-355 Ohms	
Recommended Excitation Voltage	10 Volts DC	
Maximum Excitation Voltage	15 Volts DC	
Sideloading Rejection Ratio	500:1	
Safe Sideloading	30% of Rated Capacity	
Safe Overload	150% of Rated Capacity	
Ultimate Overload	300% of Rated Capacity	
Sealing	Meets IP63 Standards	
Material	Alloy Tool Steel	
Finish	Electroless Nickel Plated	
Moment Compensation:	<u>25 - 500 lbs.</u>	<u>1,000 lbs.</u>
• Moment Sensitivity (% of applied load per inch)	0.005	0.007
• Platform Size (inch)	20 x 20	30 x 30
	<u>25 - 500 lbs.</u>	<u>1,000 lbs.</u>
• Maximum Moment (inch-lbs.)	10 x Capacity	15,000

WIRING

FUNCTION	COLOR
+ Excitation	Red
- Excitation	Black
+ Output	Green
- Output	White

4 CONDUCTOR CABLE;
 22 AWG., SHIELDED
 & POLYURETHANE
 JACKETED; 10 FOOT
 STANDARD LENGTH
 OR PER SALES ORDER.



CAPACITY	W1	W2	A	B	Thread	Deflection	Weight
25	--	--	--	0.04	1/4-28 UNF-2B THREAD x 0.75 MIN., 4 PLACES	0.016	4.0
50 - 100	--	--	--	0.04		0.013	4.0
200	--	--	--	0.04		0.015	4.0
400 - 500	1.00	1.25	0.50	0.04		0.023	5.0
1K	1.50	1.75	1.00	0.18	5/16-24 UNF-2B THREAD x 0.75 MIN., 8 PLACES	0.016	5.5

Dimensions are in inches. Capacities are in pounds. Deflection is ±10%. Specifications are subject to change. Certified drawings are available.