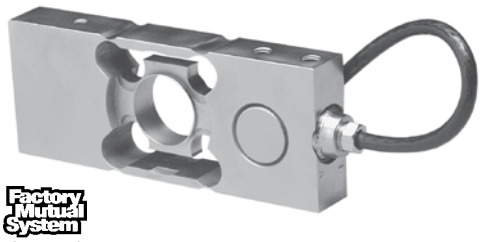
Platform Load Cell

FEATURES

- Rated capacities of 25 to 100 pounds, 6 to 60 kilograms
- Stainless steel, welded seal construction
- Moment-compensated design for minimal sensitivity to moments induced by off-center loading
- Replacement for RTI model HPS and compatible load cells
- Exceeds NIST H-44 performance requirements
- Provides optimum performance under adverse loading conditions
- *Sensorgage*™ sealed to IP67 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!).

APPLICATIONS

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



Factory Mutual System Approved

DESCRIPTION

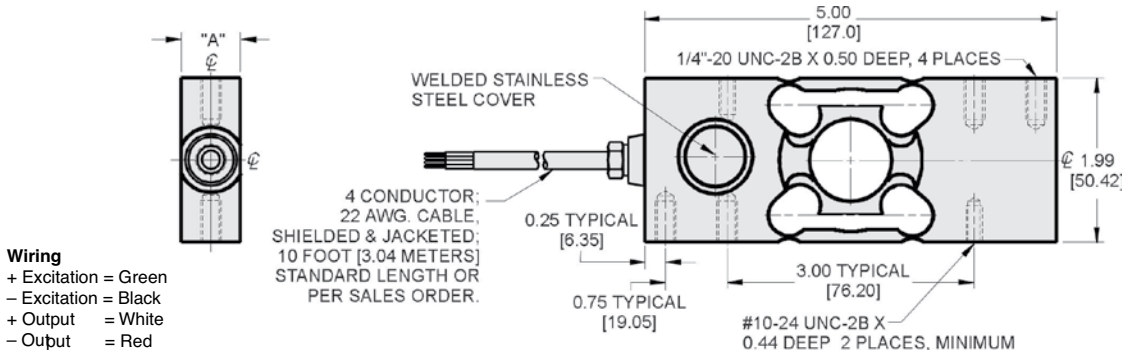
The 60064 is a high-profile, high-precision, hermetically sealed, stainless steel single point platform load cell.

This product's advanced welded seal make it ideal for use in extremely harsh conditions. This load cell is most commonly used in platform scales, but can be adapted for use in many process weighing applications.

This load cell is specifically designed for use in corrosive and wet environments that are not appropriate for other stainless steel load cells.

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

OUTLINE DIMENSIONS in inches [mm]



CAPACITY	A	DEFLECTION	WEIGHT
25–50 lbs	0.72	0.011	1.7
100 lbs	0.94	0.014	2.1
[6–15 kg]	[18.3]	[0.007]	[0.8]
[60 kg]	[23.9]	[0.009]	[1.0]

Capacities are in pounds [kg/t]. Deflection is ±10%. Certified drawings are available.

Platform Load Cell

SPECIFICATIONS			
PARAMETER	**VALUE**		**UNIT**
Rated capacities	25, 50, 100 6 kg, 15 kg, 60 kg		lbs kgs/metric tons
Full scale output (FSO)	3.0 ± 0.25% lbs	2.0 ± 0.25% [kgs/metric tons]	mV/V
Accuracy class	Standard		
Max. no. of verification intervals	—		
Combined error	≤0.03		% FSO
Nonlinearity	≤0.03		% FSO
Hysteresis	≤0.02		% FSO
Creep error (20 minutes)	≤0.03		% FSO
Temperature effect on zero	≤0.0015		% FSO/°F
Temperature effect on output	≤0.0008		% of load/°F
Non-repeatability	≤0.1		% FSO
Zero balance	≤1.0		% FSO
Insulation resistance at 50 VDC	>1000		MΩ
Compensated temperature range	0 to 150 (–15 to 65)		°F (°C)
Operating temperature range	–65 to 185 (–50 to 85)		°F (°C)
Storage temperature range	–65 to 185 (–50 to 85)		°F (°C)
Input resistance	400		Ω nominal
Output resistance	347–353		Ω
Recommended excitation voltage	10		VDC
Maximum excitation voltage	15		VDC
Safe overload	150		% of rated capacity
Ultimate overload	200		% of rated capacity
Sealing	IP67		
Material	17-4 Stainless steel		
Moment compensation			
Moment sensitivity	≤0.01		% of applied load/inch
Platform size	10 x 10		inches
Maximum moment	5 x capacity		lbs-inches

All specifications subject to change without notice.

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