

## Low Profile Platform Load Cell

### FEATURES

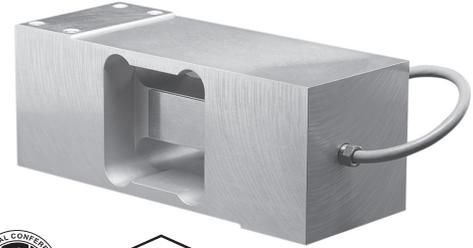
- Rated capacities of 100 to 2000 pounds
- Unique shear beam design—aluminum construction
- Moment-compensated design for minimal sensitivity to moments induced by off-center loading
- Ideal for situations exceeding the capabilities of similar “brick” design load cells
- Trade certified for NTEP Class III:5000 divisions; Class IIII:10000 divisions and OIML R60 3000 divisions
- Sensorgage™ sealed to IP67 standards
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G.
- Non-incendive ratings (without barriers)
- Available in stainless steel

### APPLICATIONS

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

### DESCRIPTION

Model 60060 is a single point load cell designed for direct mounting of large platforms.



The product is a cost-effective load cell for use on counting, weighing, bench or floor scale products.

This high accuracy load cell is approved to OIML R60, NTEP and other stringent approval standards. Suitable for use in hazardous environments, these load cells are FM approved to Class I, II, III, Division 1 and 2.

A special humidity-resistant protective coating assures long term stability over the entire compensated temperature range.

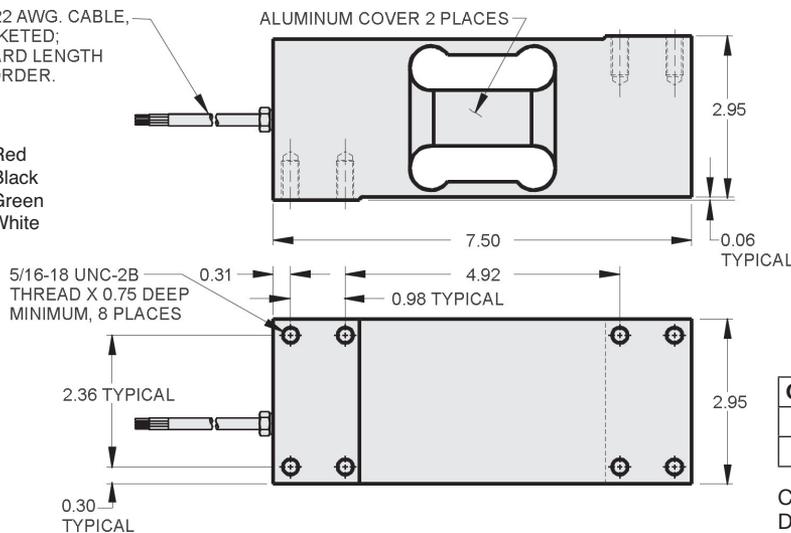
Two additional sense wires, sample the bridge supply voltage at the load cell. Complete compensation of change in the lead wires resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

### OUTLINE DIMENSIONS in inches

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

#### Wiring

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



Capacity	Deflection	Weight
100-250	0.010	6.0
500-2k	0.006	6.0

Capacities are in pounds.  
Deflection is ±10%.  
Certified drawings are available.

Low Profile Platform Load Cell

<b>SPECIFICATIONS</b>				
<b>PARAMETER</b>	<b>VALUE</b>			<b>UNIT</b>
<b>Rated capacity—R.C. (E<sub>max</sub>)</b>	100, 250, 500, 750, 1K, 2K			lbs
<b>NTEP/OIML accuracy class</b>	NTEPIIIL	Standard	OIML R60*	
<b>Maximum no. of intervals (n)</b>	10,000 multiple	—	3000	
<b>Y = E<sub>max</sub>/V<sub>min</sub></b>	See NTEP Cert. No. 98-038			Maximum available
<b>Rated output—R.O.</b>	2.0			mV/V
<b>Rated output tolerance</b>	±10			±% mV/V
<b>Zero balance</b>	1.0			±% FSO
<b>Combined error</b>	0.02	0.03	0.02	±% FSO
<b>Non-repeatability</b>	0.010	0.015	0.010	±% FSO
<b>Creep error (30 minutes)</b>	0.03	0.05	0.017	±% of applied load
<b>Temperature effect on zero</b>	0.0010	0.0015	0.0010	±% FSO/°F
<b>Temperature effect on output</b>	0.0008	0.0008	0.0007	±% of load/°F
<b>Compensated temperature range</b>	14 to 104 (–10 to 40)			°F (°C)
<b>Operating temperature range</b>	0 to 150 (–18 to 65)			°F (°C)
<b>Storage temperature range</b>	–60 to 185 (–50 to 85)			°F (°C)
<b>Safe sideload</b>	100			% of R.C.
<b>Safe overload</b>	300			% of R.C.
<b>Sideload rejection ratio</b>	500:1			
<b>Excitation, recommended</b>	10			VDC or VAC RMS
<b>Excitation, maximum</b>	15			VDC or VAC RMS
<b>Input impedance</b>	400 nominal –20/+0			Ω
<b>Output impedance</b>	350 –1/+5			Ω
<b>Sealing</b>	IP67			
<b>Material</b>	Aluminum**			
<b>Moment compensation</b>	250–1k lbs	2k lbs		
<b>Moment sensitivity</b>	≤0.005	≤0.005		% of applied load/inch
<b>Maximum moment</b>	10 x capacity	10000		lbs-inches
<b>Platform size</b>	30 x 30	30 x 30		inches

\* 100 lbs is not approved by OIML

\*\* Stainless steel also available

FSO—Full Scale Output

All specifications subject to change without notice.

**CERTIFICATION MARKINGS**

FM Approval markings (USA and Canada)  
 IS Class I, II, III, Division 1, Groups A, B, C, D, E, F and G;  
 NI Class I, Division 2, Groups A, B, C, and D,  
 DIP, Class II, III, Division 2, Groups F and G;  
 T4;  
 Ta = -25°C to +66°C