

MODEL 60051

LOW PROFILE PLATFORM LOAD CELL

APPLICATIONS

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

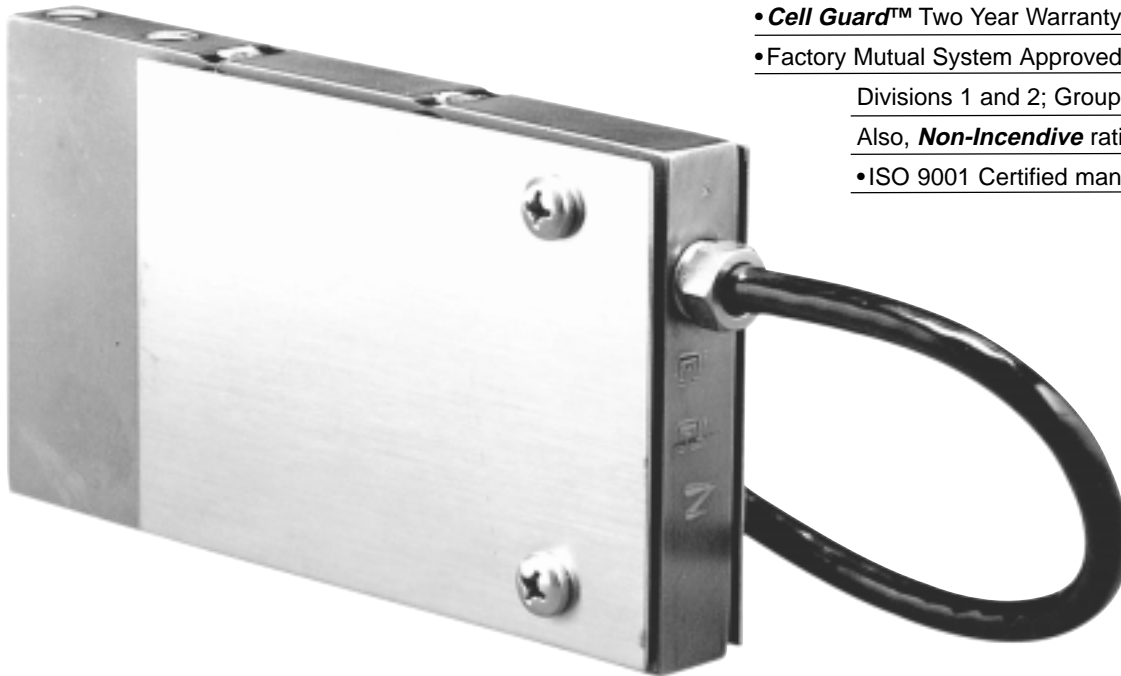
FEATURES

- Rated capacities of 10 to 200 pounds
- Stainless steel construction
- Moment-compensated design for minimal sensitivity to moments induced by off-center loading
- Exceeds NIST H-44 performance requirements
- Provides optimum protection 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!).

- ISO 9001 Certified manufacturing facilities



ISO
9001

Factory
Mutual
System
Approved



Model 60051 Performance Specifications

Rated Capacities (lbs): 10, 15, 25, 50, 100, 200
 Full Scale Output (FSO): 2.0 mV/V +0.25% / -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	380 - 450 Ohms
Output Resistance	349 - 355 Ohms
Recommended Excitation Voltage	10 Volts DC
Maximum Excitation Voltage	15 Volts DC
Safe Overload	150% of Rated Capacity
Ultimate Overload	300% of Rated Capacity
Sealing	Meets IP67 Rated Standards
Material	17-4 PH Stainless Steel

Moment Compensation:	<u>10 - 25 Lbs.</u>	<u>50 - 200 Lbs.</u>
•Moment Sensitivity	≤ 0.015 % of applied load per in.	≤ 0.100 % of applied load per in.
•Maximum Moment (lb-in)	5 in. x Capacity	6 in. x Capacity
•Platform Size (Inches)	8 x 10	12 x 12
Deflection (inches ±10%):	<u>10 - 15 Lbs.</u>	<u>25 - 200 Lbs.</u>
	0.014	0.010

WIRING

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

CAPACITY	W	Weight
10 - 25	.50	2
50 - 200	.75	2

Dimensions are in inches. Capacities are in pounds. Specifications are subject to change. Certified drawings are available.

