

Model 1240

Single Point Load Cells

Features



- Capacities: 200—250 kg
- Stainless steel Construction
- Combined error only 0.02%
- 6 Wire (sense) circuit
- Unique humidity-resistant protective coating
- Low profiles—1.6" (40mm) in height
- Maximum safe moment to 30 X rated capacity (kg-cm)

Model 1240 is a low profile off-center load cell. It is one of the most compact designed available for these capacities which makes it especially well suited to scales which weigh people as well as high capacity industrial applications where space is limited.

This high accuracy load cell is Factory Mutual Approved. When operated at constant temperature, all load cells offer 0.02% combined error performance regardless of accuracy class.

Three beam construction makes the load cell highly immune to side forces and mounting imperfections.

Stainless steel construction and a unique humidity resistant protective coating assures long-term stability even under harsh environment and extreme temperatures. Optional Sylgard encapsulation is available for applications requiring wash down protection.



Model 1240

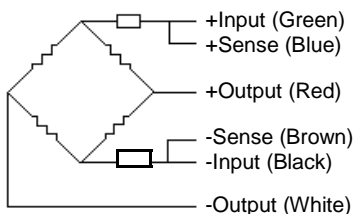
Single Point Load Cells

| Grade | E | F | G | Units |
|---|---|--------|--------|-----------------------|
| Rated Capacities | 200, 250 | | | kg |
| Rated Output* | 2.0 ± 10% | | | mV/V |
| Total Error** | 0.05 | 0.02 | 0.03 | ±% of Rated Output |
| Zero Return after 30 mins | 0.050 | 0.025 | 0.017 | ±% of Applied Load/cm |
| Temperature Effect: On Output | 0.003 | 0.0014 | 0.001 | ± of Applied Load/°C |
| Temperature Effect: On Zero | 0.010 | 0.006 | 0.004 | ± of Rated Output/°C |
| Total Error Eccentric Loading 0.33 R.C. | 0.0075 | 0.0075 | 0.0050 | ±% of Applied Load/cm |
| Zero Balance | 10 | | | ±% of Rated Output |
| Temperature Range: Operating | -30 to +70 | | | °C |
| Temperature Range: Compensated | -10 to +40 | | | °C |
| Safe Overload | 150 | | | % of Rated Capacity |
| Ultimate Overload | 250 | | | % of Rated Capacity |
| Excitation: Recommended | 10 | | | Volts AC or DC |
| Excitation: Maximum | 15 | | | Volts AC or DC |
| Input Impedance | 380 ± 15 | | | Ohms |
| Output Impedance | 350 ± 3 | | | Ohms |
| Insulation Impedance | >2000 | | | MegaOhms |
| Deflection at Rated Capacity | >0.4 | | | mm |
| Weight: All Types | 1.1 | | | kg |
| Construction | Stainless Steel | | | |
| Environmental Protection | IP54 Standard / IP 65 Optional | | | |
| Cable | 1.5 Meter (Standard), 6 Wire, PVC jacket, Floating Screen | | | |

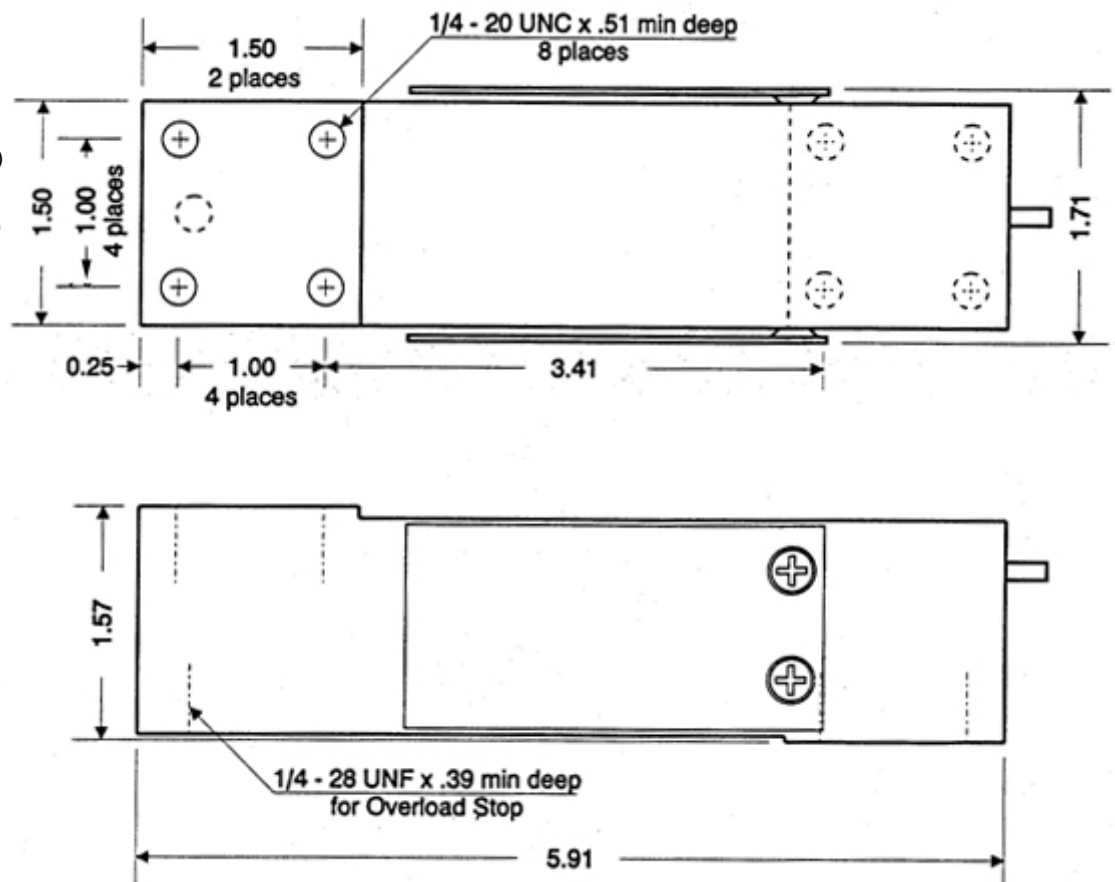
*All accuracy specification maintained when 150% of nominal load is applied for 3 mV/V output.

**Nonlinearity, hysteresis, repeatability, and output temperature effect according to OIML R60 and NIST H-44.

Wiring Schematic Diagram



Outline Dimensions All Capacities (in inches)



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