

Series MIN840

Miniature Load Cell

Standard Features

- Compact - High Accuracy
- Tension / Compression
- Welded Stainless Steel
- 0.15% Accuracy
- -40°F to +250°F Operation
- mV/V Output and Amplified Output Available



MIN840

Standard Specifications

Performance

Capacities	250, 500, 1000, 2500, 5000 lbs.
Output	2mV/V \pm 0.25% FSO.
Accuracy	0.15% BFSL.
Compensated Temperature Range	70°F to 170°F.
Operating Temperature Range	-40°F to 250°F.
Temperature Effect on Zero	0.005% FSO/°F.
Temperature Effect on Span	0.005% Reading/°F.
Zero Balance	1% FSO.
Bridge Resistance	350 Ohms nominal.

Mechanical Characteristics

Threads	1/2-20 UNF.
Calibration	5 Points (0, 50%, 100%, 50%, 0) Compression.
Static Overload Capacity	150% FSO.
Construction	Welded stainless steel.

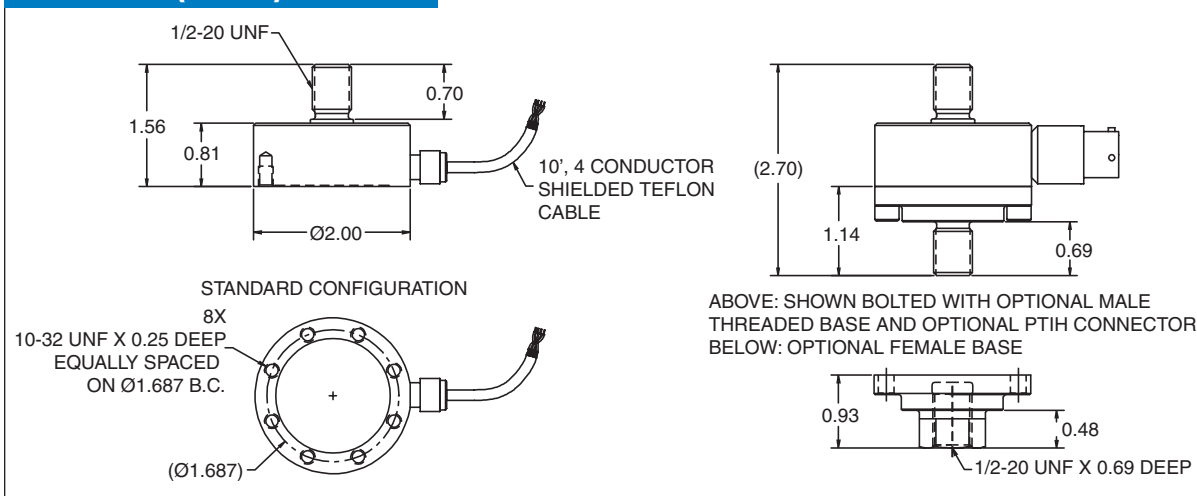
Electrical Characteristics

Excitation	10 Vdc or Vac.
Insulation Resistance	Greater than 5000 megaohms at 50 Vdc at 70°F.
Electrical Termination	10', 4 Conductor Shielded Teflon Cable
Wiring	RED +EXE GREEN +SIG BLACK - EXE WHITE - SIG

Series MIN840 Specifications

Baseline Configuration Specs Represented.
Modifications Encouraged - See Below
Custom Designs Available

Dimensions (inches)



Available Options

Base	Male threaded base. Female threaded base.
Threads	Metric.
Temperature Compensation Ranges	From -40°F up to 400°F.
Temperature Operating Ranges	From -40°F up to 400°F.
Calibration	Additional calibration points (in addition to standard 5 points) available (Consult Factory) Special and custom calibration available (Consult Factory)
Calibration Type	Compression Only. Tension/Compression.
Amplifiers	Integral or In-Line (Consult Factory). • Analog (4-20 mA; 0-5 Vdc; 0-10 Vdc). • Digital (RS-232; RS-485; CANbus; MODbus).
Calibration Range	Standardized Outputs. Special Full Scale Range (Example 6000 lbs).
Cable Length	Cable length specified (ft.).
Cable Connector	Add a connector to the end of the cable. Consult factory for available connectors.
Connector	PTIH-10-6P (Hermetic). Consult factory for other choices.
Submersible	Available to rated depths, consult factory.
Custom Options	Other unlisted customer requested options welcome.



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NOTES: When using a load cell the user must consider load ratings and fatigue life for long term use and structural integrity. Critical loading applications, especially overhead loading, must always be designed with safety redundant load paths. MODIFICATIONS: We realize load cell applications vary greatly and as such our designs are flexible. Specifications subject to change without notice.

WARRANTY: Stellar Technology warrants that its product shall be free from defective workmanship and/or material for a twelve month period from the date of shipment, provided that Stellar Technology's obligation hereunder shall be limited to correcting any defective material FOB our factory. No allowance will be made for any expenses incurred for correcting any defective workmanship and/or material without written consent by Stellar Technology. This warranty is in lieu of all other warranties expressed or implied.

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Datasheet P/N: 226404B

237 Commerce Drive • Amherst, NY 14228 • USA
Tel: 716.250.1900 • **Fax:** 716.250.1909
Email: info@stellartech.com

