

Series MIN811

Precision Miniature Load Cell

Standard Features

- Tension / Compression
- Welded Stainless Steel
- 0.15% Accuracy
- -65°F to +250°F Operation
- mV/V Output



Shown Actual Size

Standard Specifications

Performance

Capacities	100, 250, 500, 1000 lbs.
Output	2mV/V nominal.
Accuracy	0.15% BFSL.
Compensated Temperature Range	70°F to 170°F.
Operating Temperature Range	-65°F to 250°F.
Temperature Effect on Zero	0.003% FSO/°F.
Temperature Effect on Span	0.003% Reading/°F.
Zero Balance	1% FSO.
Bridge Resistance	350 Ohms nominal.

Mechanical Characteristics

Calibration	5 Points (0, 50%, 100%, 50%, 0) Tension.
Static Overload Capacity	150% FSO.
Construction	Welded stainless steel.

Electrical Characteristics

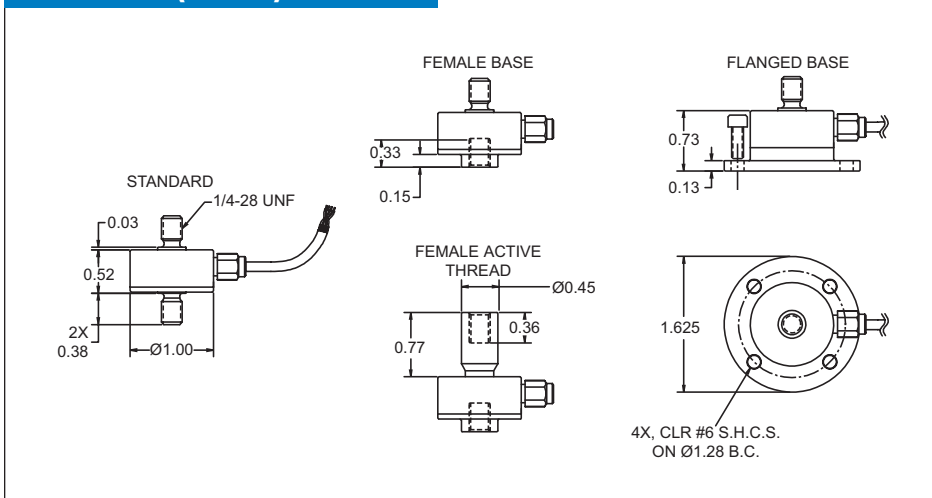
Excitation	10 Vdc or Vac.
Insulation Resistance	Greater than 5000 megaohms at 50 Vdc at 70°F.
Electrical Termination	10', 4 Conductor Shielded Teflon Cable
Output	RED +EXE BLACK -EXE GREEN -SIG WHITE +SIG

MIN811

Series MIN811 Specifications

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

Dimensions (inches)



Available Options

Base	Male thread. Female thread. Flange.
Threads	Metric.
Compensated Temperature Ranges	From -65°F up to 400°F.
Operating Temperature Ranges	From -65°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; ±5 Vdc; ±10 Vdc). • Digital (RS-232; RS-485; CANbus; MODbus).
Calibration Range	Special full scale range (Example: 75 lb.).
Cable Length	Cable length specified.
Cable Connector	Add a connector to the end of the cable. Consult factory for available connectors.
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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