

Series MIN835

Miniature Load Cell

Standard Features

- High Capacity
- Compact In-Line
- Tension / Compression
- Welded Stainless Steel
- 0.20% Accuracy
- -65°F to +250°F Operation
- mV/V Operation



Standard Specifications

Performance

Capacities	2000, 3000, 5000, 7500, 10,000 lbs.
Output	2mV/V nominal.
Accuracy	0.20% BFSL.
Compensated Temperature Range	70°F to 170°F.
Operating Temperature Range	-65°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	See Table.
Calibration	5 Points (0, 50%, 100%, 50%, 0) Tension.
Static Overload Capacity	150% FSO.
Construction	Welded stainless steel.

Electrical Characteristics

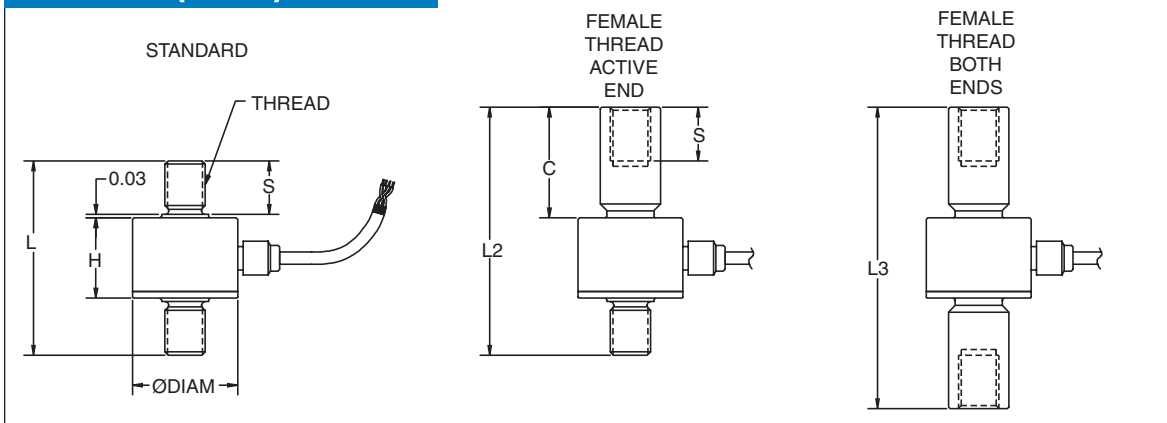
Excitation	10 Vdc or Vac.
Insulation Resistance	Greater than 5000 megaohms at 50 Vdc at 70°F.
Electrical Termination	10', 4 Conductor Shielded Teflon Cable
Wiring	RED +EXE GREEN -SIG BLACK - EXE WHITE +SIG

MIN835

Series MIN835 Specifications

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

Dimensions (inches)



Capacities (LB)	Diameter	L	H	Thread	S	L2	C	L3
2000, 3000	Ø1.00	1.81	0.75	3/8-24 UNF	0.50	2.31	1.03	2.81
5000	Ø1.25	2.25	0.88	1/2-20 UNF	0.63	2.88	1.29	3.51
7500, 10,000	Ø1.36	3.06	1.00	3/4-16 UNF	1.00	4.06	2.03	5.06

Available Options

Threads	Female threads available on active and/or fixed end as shown. Metric.
Temperature Compensation Ranges	From -65°F to 400°F.
Temperature Operating Ranges	From -65°F 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: 1000 kg.).
Cable Length	Cable length specified (ft.).
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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Due to the nature of technology, changes are inevitable. For latest technical specifications, see our website.

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