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MINI LOW PROFILE LOAD CELL UNIVERSAL / TENSION OR COMPRESSION

MLP SERIES



CAPACITY RANGES:

10, 25, 50, 75, 100, 150, 200,
300, 500, 750, 1,000 lb

The model MLP Series load cells were designed with economy as first priority. They are a scaled down version of our successful LPO Series Load Cells. MLP-10 through MLP-300 are anodized aluminum and the MLP-500 through MLP-1K are made from 17-4ph heat treated stainless steel. The unique low profile design of the MLP Series provides excellent stability for in line applications for tension and/or compression, while saving space at the same time.



OPTIONS

- CO** Mini Connector System, male and female with 10' 4 cond. color coded shielded cable
- DB** Dual Bridge

The Load Cells below come Calibrated in Compression, Tension Calibration is optional Specifications

Rated Output (R.O.): 2 mV/V nominal

Nonlinearity: 0.1% of R.O.

Hysteresis: 0.1% of R.O.

Nonrepeatability: 0.05% of R.O.

Zero Balance: 1.0% of R.O.

Compensated Temp. Range: 60° to 160°F

Safe Temp. Range: -65° to 200°F

Temp. Effect on Output: 0.005% of Load/°F

Temp. Effect on Zero: 0.005% of R.O./°F

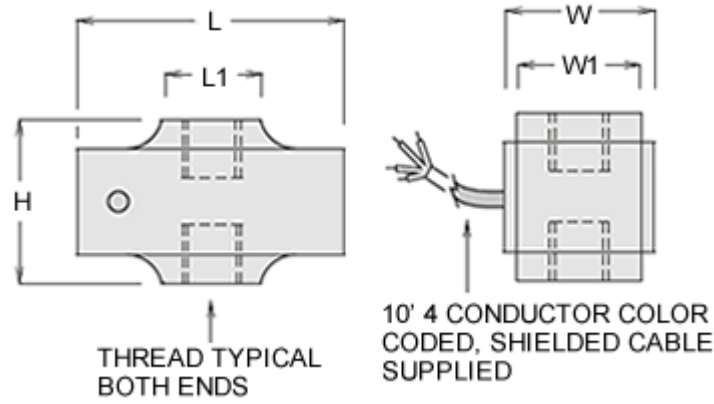
Terminal Resistance: 350 ohms nominal

Excitation Voltage: 10 VDC

Safe Overload: 150% of R.O.

Calibration Included: Compression

Optional Calibration: Tension



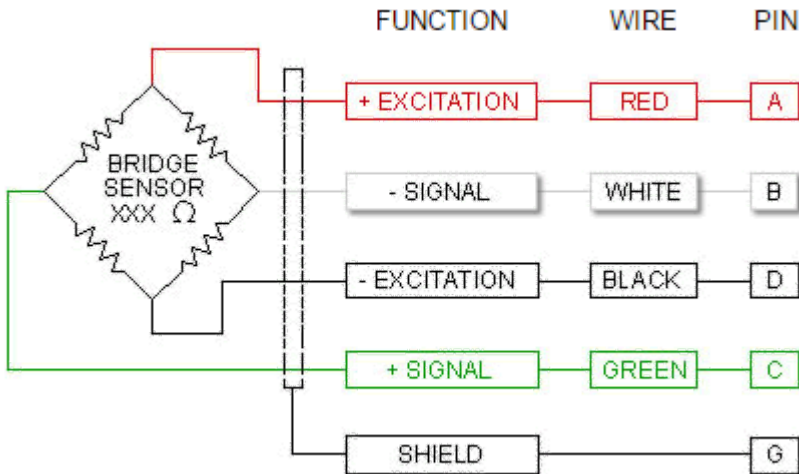
Dimensions in Inches

Model	Capacity lb	L	L1	W	W1	H	Thread	Thread Depth	Natural Ringing Frequency HZ	Deflection Inches	wt. oz
MLP-10	10	1.504	.600	.54	.375	.750	10-32	.200	2,175	.003	.5
MLP-25	25	1.521	.600	.66	.500	.750	1/4-28	.230	2,200	.003	.7
MLP-50	50	1.584	.625	.66	.500	.750	1/4-28	.230	2,500	.003	.7
MLP-75	75	1.640	.650	.66	.500	.750	1/4-28	.230	2,800	.003	.8
MLP-100	100	1.664	.660	.66	.500	.750	1/4-28	.230	4,500	.003	.8
MLP-150	150	1.642	.575	.93	.750	1.00	3/8-24	.375	4,500	.003	1.3
MLP-200	200	1.688	.580	.93	.750	1.00	3/8-24	.375	5,200	.003	1.4
MLP-300	300	1.748	.600	.93	.750	1.00	3/8-24	.375	5,200	.003	3.0
MLP-500	500	1.658	.580	.93	.750	1.00	3/8-24	.375	5,200	.003	3.0
MLP-750	750	1.734	.585	.93	.750	1.00	3/8-24	.375	5,200	.003	3.0
MLP-1K	1,000	1.784	.615	.93	.750	1.00	3/8-24	.375	5,200	.003	3.0

Wiring Color Code (WCC1)

4 Conductor

Internal Temperature Compensation and Balance Network Not Shown



OPT-TEDS Plug & Play Option

AD9 (9 PIN "D" Series) Connector attached to the end of a Load Cell or Torque sensor cable with a TEDS (Transducer Electronic Data Sheet) EEPROM. Used with a Smart Plug & Play IEEE 1451.4 Compliant instrument, (shown on right), the Load Cell and Instrument will self calibrate. This option is a real time saver. Read additional article...

