

ULTRA PRECISION MINI LOAD CELL UNIVERSAL / TENSION OR COMPRESSION

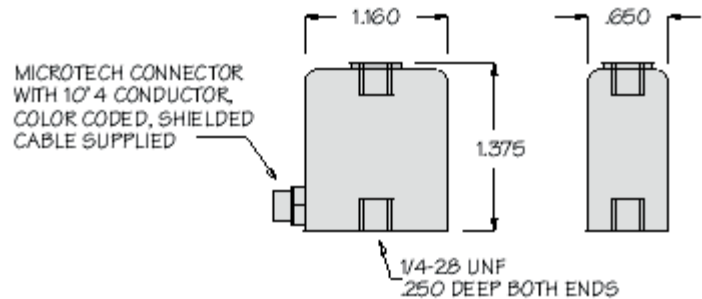
MDB SERIES LOAD CELL

**CAPACITY RANGES:
2.5, 5, 10, 25, 50, 75, 100 LBS.**



The MDB Series Load Cells was designed to help fill the growing need for a greater selection of high accuracy load cells for use in space limited applications. The anodized aluminum MDB's are compliant in tension and compression, therefore, a good choice for in line through zero applications, as well as single direction tension or compression. Applications may include load feedback for process control, low capacity tensile testing machines, robotics, or designed into your product. Give us a call; we would be pleased to discuss your application requirements.

DIMENSIONS MDB-2.5 THRU 100



SPECIFICATIONS

Rated Output (R.O.): 2 mV/V nominal
 Nonlinearity: 0.05% of R.O.
 Hysteresis: 0.05% 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.
 Weight: 1 oz. all ranges

MODEL	CAPACITY LBS.	NATURAL RINGING FREQUENCY HZ	DEFLECTION INCHES
MDB-2.5	2.5	575	.004
MDB-5	5	765	.004
MDB-10	10	1400	.004
MDB-25	25	2700	.006
MDB-50	50	3100	.008
MDB-75	75	3100	.008
MDB-100	100	3300	.012