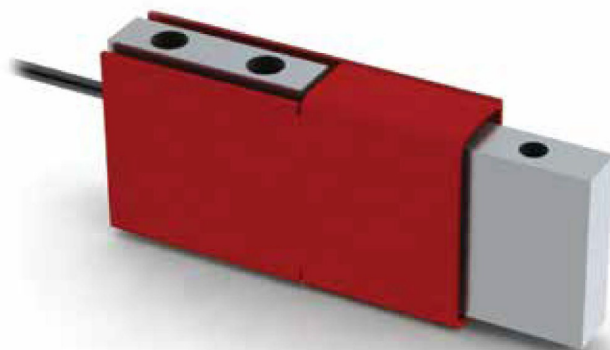


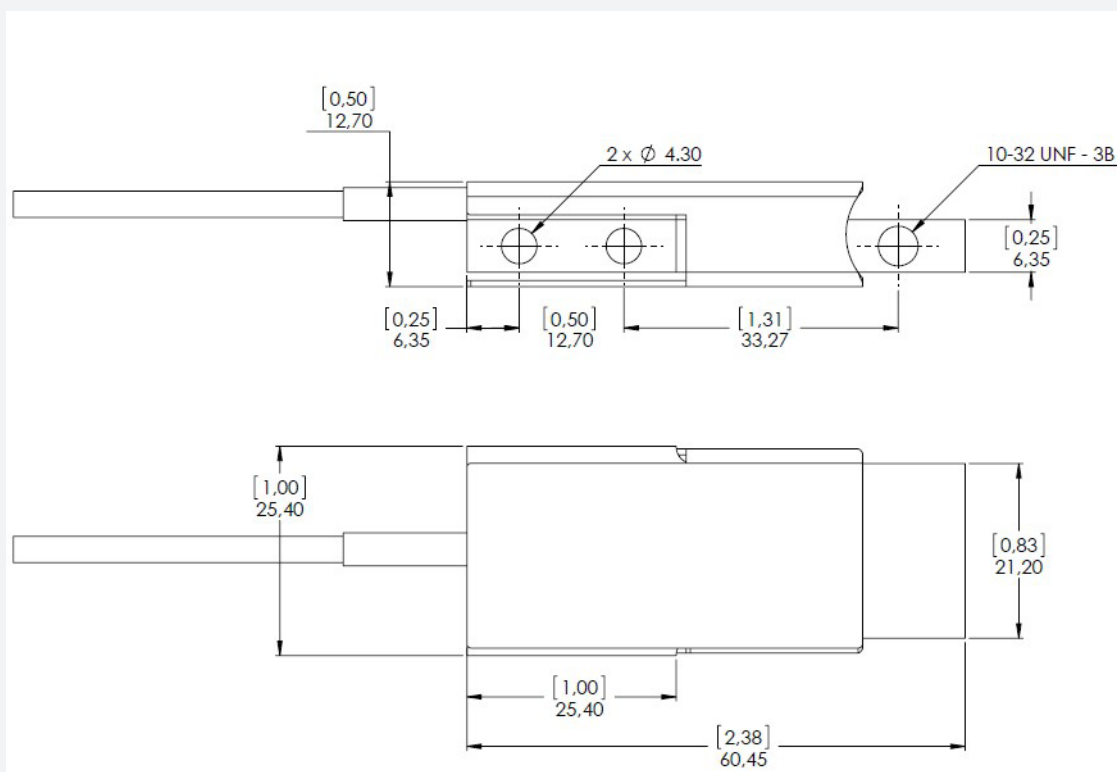
MINIATURE BEAM LOAD CELL

Miniature Beam Load Cell is a bi-directional strain gauge based transducer with high performance and built-in temperature compensation.

This load cell design provides better than $\pm 0.03\%$ (full scale) non-linearity.



DIAGRAM



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MINIATURE BEAM LOAD CELL

SPECIFICATION

PARAMETER	RANGE
Rated Capacity (FS) (lb)	5-250 (22.2N-1110N)
Safe Overload (FS) (%)	150
Rated Output (RO) (mV/V)	3 nominal
No Load Offset (Zero Balance) (%)	±1 of RO
Excitation (VDC or VAC) (V)	5 recommended (15 max.)
Input Impedance	1000 Ω nominal
Output Impedance	1000 Ω nominal
Non-Linearity (%)	±0.03 of RO
Hysteresis (%)	±0.02 of RO
Non-Repeatability (%)	±0.01 of RO
Temperature Shift Zero (%)	±0.005 of RO/°F (±0.009 of RO/°C)
Temperature Shift Span (%)	±0.005 of Load/°F (±0.009 of Load/°C)
Compensated Temperature (°F)	+5 to +160 (-15 to +71°C)
Operating Temperature (°F)	-60 to +200 (-51 to +93°C)
Calibration (std.)	2 pt. tension



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