

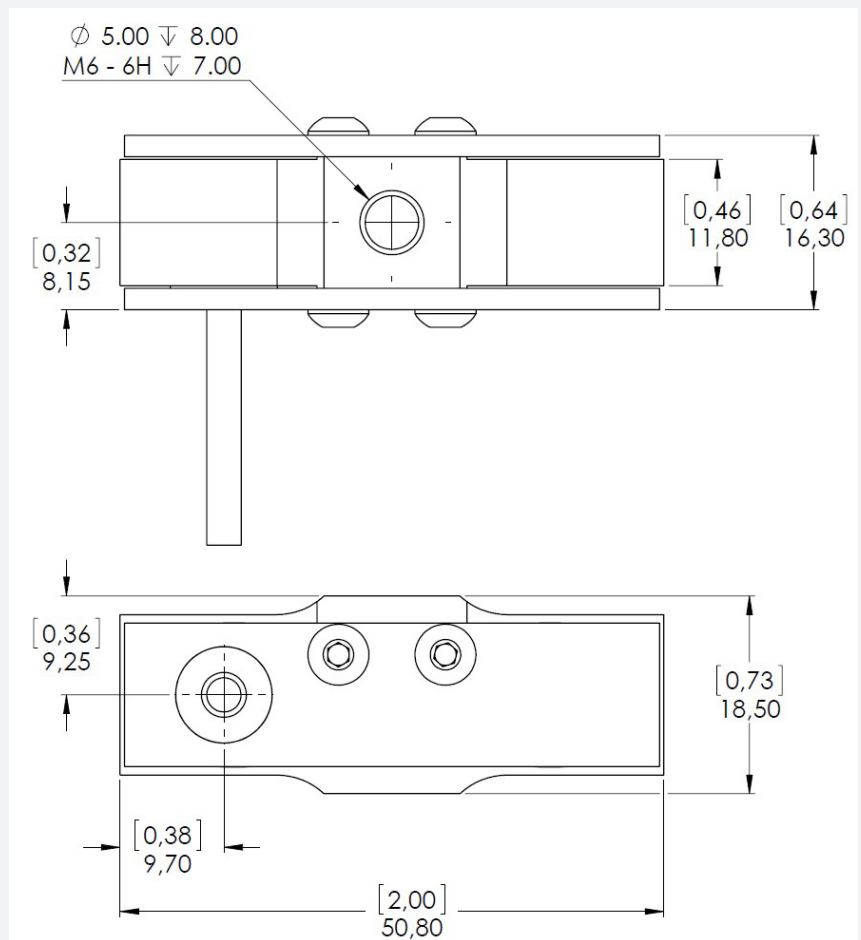
LOW PROFILE TENSION AND COMPRESSION LOAD CELL

The Low Profile Tension and Compression Load Cell is a bi-directional aluminium strain gauge based transducer with high performance and built-in temperature compensation.

This design provides better than ± 0.1 % (full scale) non-linearity. Options include IEEE1451.4 TEDS capability.



DIAGRAM



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LOW PROFILE TENSION AND COMPRESSION LOAD CELL

SPECIFICATION

PARAMETER	RANGE
Capacity (N)	100, 200, 300, 500
Rated Output (RO) (mVN)	2 nominal
Safe Overload (%)	150 of RO
No Load Offset (Zero Balance) (%)	±1 of RO
Bridge Resistance	1000 Ω nominal
Non-Linearity (%)	±0.1 of RO
Hysteresis (%)	±0.1 of RO
Non-Repeatability (%)	±0.05 of RO
Temperature Shift Zero (%)	±0.01 of RO/°F (±0.018 of RO/°C)
Temperature Shift Span (%)	±0.01 of Load/°F (±0.018 of Load/°C)
Operating Temperature (°F)	-60 to +200 (-51 to +93°C)
Weight (lb)	0.11 (51g) approx.
Material	Aluminium
Connector	D89 male or female



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