

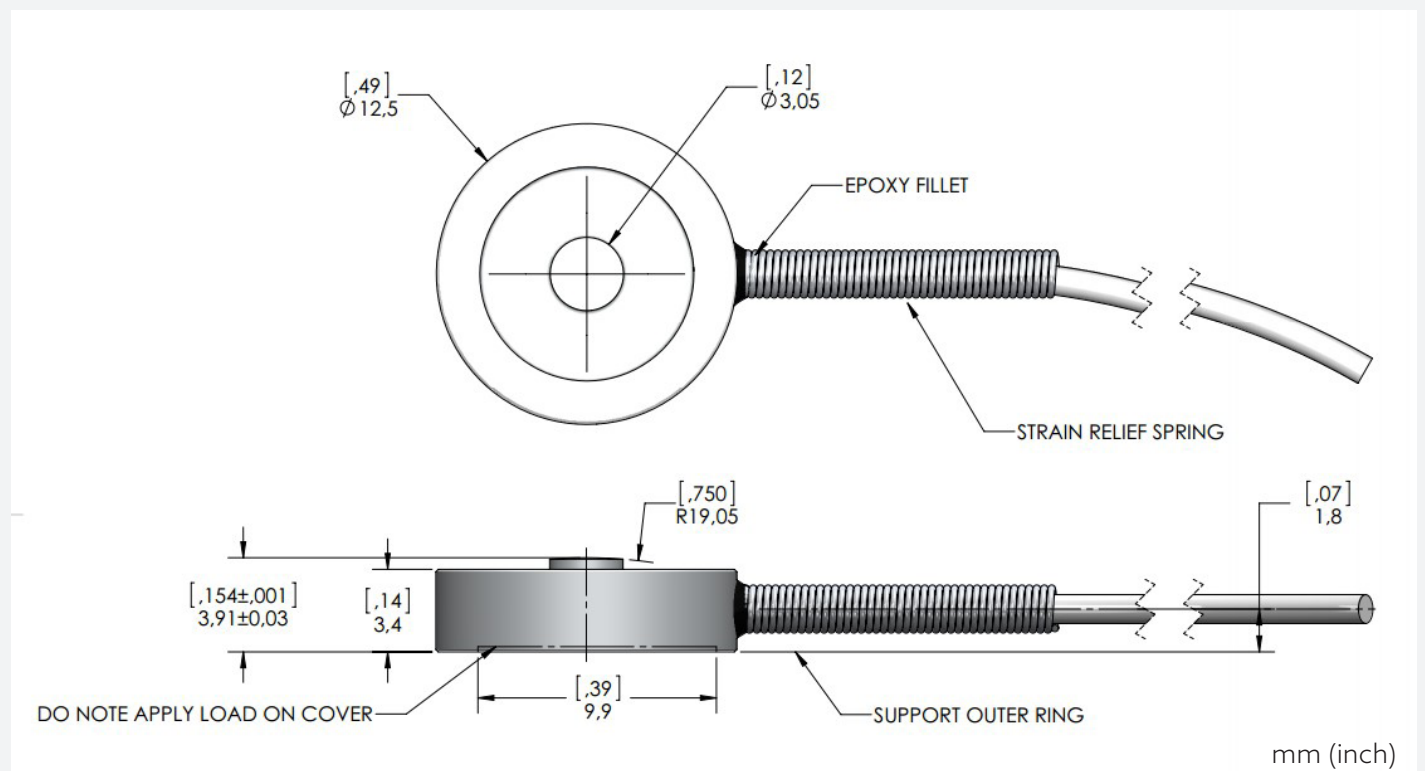
LOAD BUTTON (ALBS2)

Load Button (ALBS2) is a stainless steel subminiature strain gauge based transducer with compensated temperature performance.

This type of load button provides measurements up to 250lbf with better than $\pm 0.5\%$ (full scale) non-linearity.



DIMENSIONS



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HDS_ALBS2_060421_32/1

LOAD BUTTON (ALBS2)

SPECIFICATION

PARAMETER	RANGE
Capacity (lbf)	100, 200, 250
Rated Output (RO) (mV/V)	2 nominal
Safe Overload (%)	150 of RO
No Load Offset (Zero Balance) (%)	±2 of RO (±10 of RO for welded version)
Excitation (VDC or VAC)	7 max.
Input Impedance	350 Ω nominal
Non-Linearity (%)	±0.5 of RO
Hysteresis (%)	±0.5 of RO
Non-Repeatability (%)	±0.1 of RO
Temperature Shift Zero (%)	±0.01 of RO/°F (±0.018 of RO/°C)
Temperature Shift Span (%)	±0.02 of Load/°F (±0.036 of Load/°C)
Compensated Temperature (°F)	+60 to +160°F (+16 to +71°C)
Operating Temperature (°F)	-60 to +200°F (-51 to +93°C)
Weight (approx.) (lb)	0.03 (14.2g)
Material	Stainless Steel
Deflection (in)	0.0007 (0.018mm) nominal
IP Rating	IP64
Calibration Test Excitation (VDC)	5
Calibration (std.)	5 pt. compression
Connector	DB9 male or female

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