

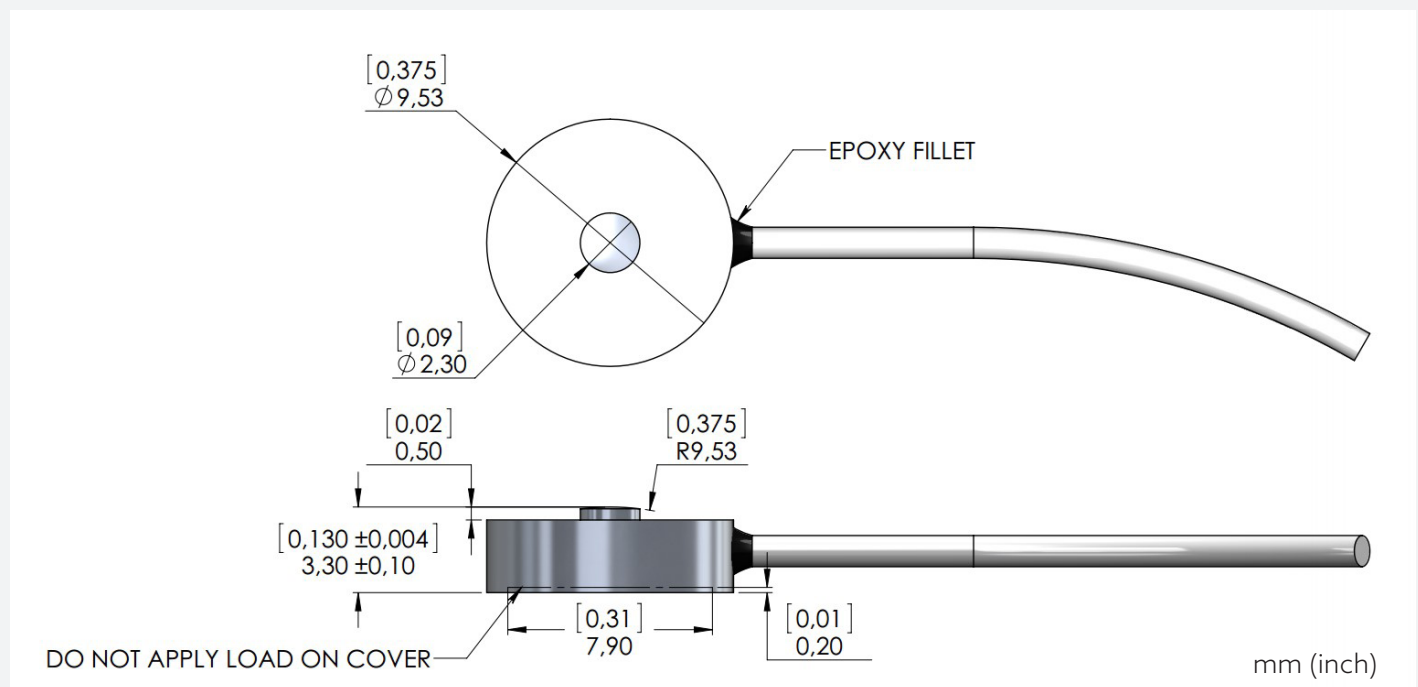
LOAD BUTTON (ALBS1)

Load Button (ALBS1) is a stainless steel subminiature strain gauge based transducer with compensated temperature performance.

This type provides better than $\pm 0.5\%$ (full scale) non-linearity. Also available with welded cover.



DIMENSIONS



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 **HITECSENSORS**
A HUMANETICS COMPANY

LOAD BUTTON (ALBS1)

SPECIFICATION

PARAMETER	RANGE
Capacity (lb)	5, 10, 25, 50
Rated Output (RO) (mV/V)	2 nominal (1 nominal for 5lb)
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
Creep (30 min.) (%)	± 0.5 of RO
Temperature Shift Zero (%)	± 0.01 of RO/ $^{\circ}\text{F}$ (± 0.018 of RO/ $^{\circ}\text{C}$)
Temperature Shift Span (%)	± 0.02 of Load/ $^{\circ}\text{F}$ (± 0.036 of Load/ $^{\circ}\text{C}$)
Compensated Temperature ($^{\circ}\text{F}$)	+5 to +160 (-15 to +71 $^{\circ}\text{C}$)
Operating Temperature ($^{\circ}\text{F}$)	-60 to 200 (-51 to +93 $^{\circ}\text{C}$)
Weight (approx.) (lb)	0.02 (8.5g)
Material	Stainless Steel
Deflection (in)	0.0008 (0.02mm) nominal
IP Rating	IP64
Calibration Test Excitation (VDC)	5
Calibration (std.)	5 pt. compression
Connector	DB9 male or female

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