

# LOAD BUTTON (ALBS3)

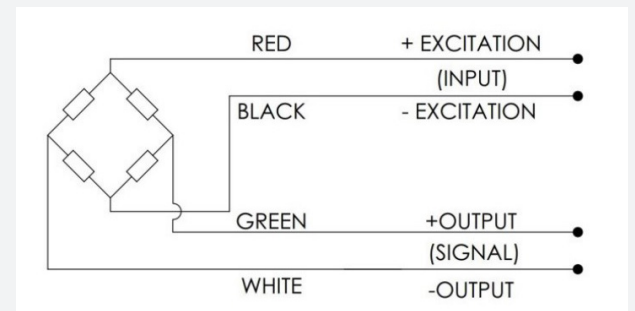
Load Button (ALBS3) is a stainless steel subminiature strain gauge based transducer with compensated temperature performance.

This type of load button provides measurements up to 1000 lb with better than  $\pm 0.5\%$  (full scale) non-linearity.

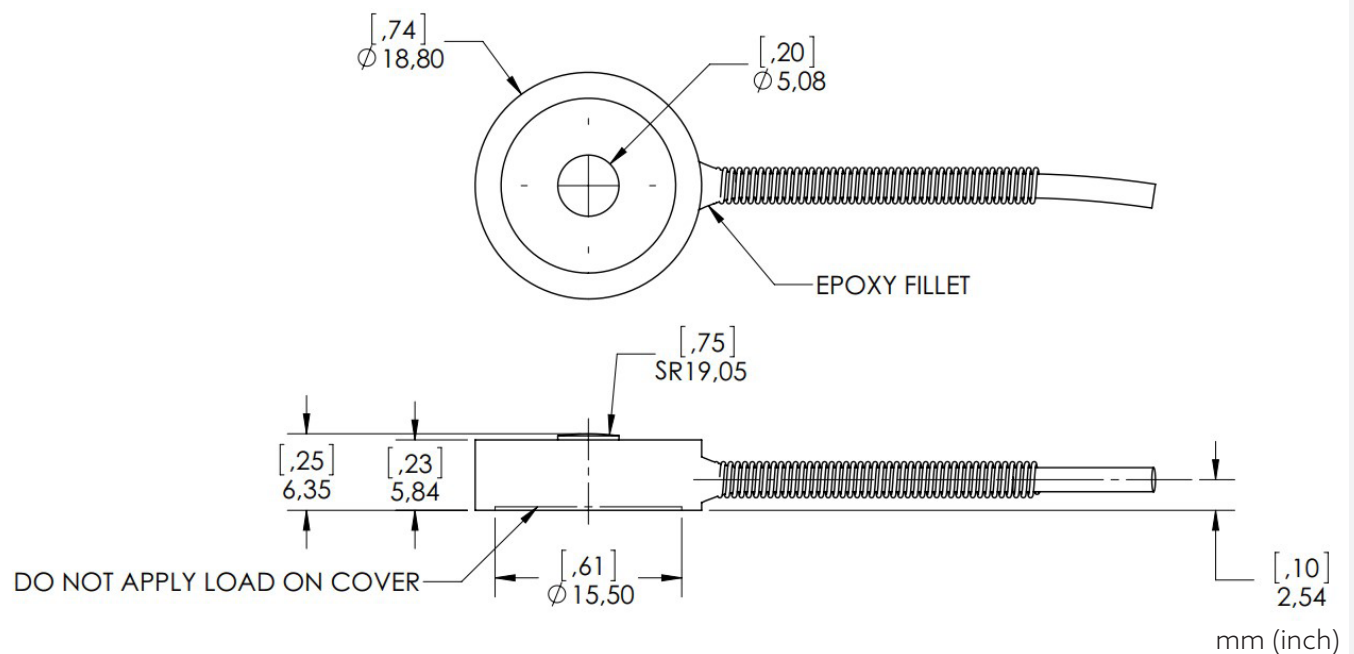


## WIRING

- The load button is provided with 4x28 AWG (100lb - 1000lb) wiring within a braided shielded cable (overall cable length 2m).
- Connector with integrated TEDS chip is available to order.



## DIMENSIONS



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## SPECIFICATION

PARAMETER	RANGE
Capacity (lbf)	100, 200, 500, 1000
Rated Output (RO) (mV/V)	2 nominal
Safe Overload (%)	150 of RO
No Load Offset (Zero Balance) (%)	±2 of RO
Excitation (VDC or VAC)	5 recommended (10 max.)
Input Impedance	350 $\Omega$ 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 (+16 to +71°C)
Operating Temperature (°F)	-4 to +176 (-20 to +80°C)
Material	Stainless Steel
Deflection (in)	0.001 (0.025mm) nominal
IP Rating	IP64
Calibration Test Excitation (VDC)	5
Calibration (std.)	5 pt. compression