

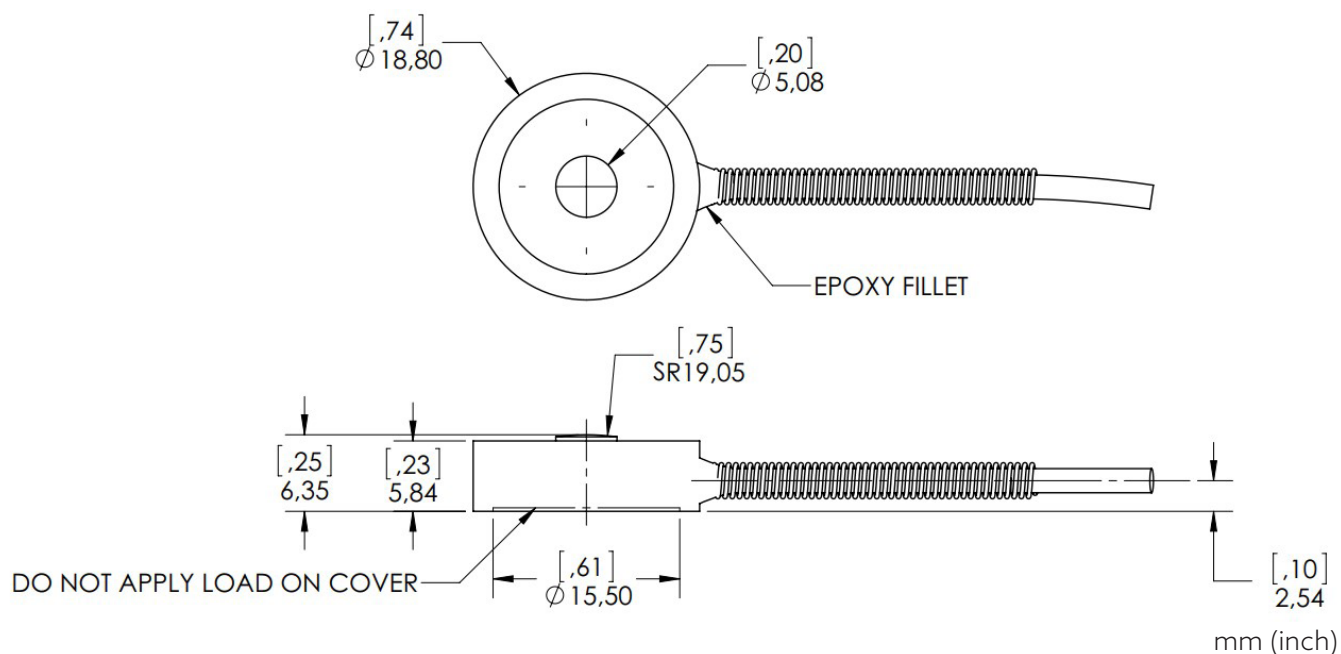
# LOAD BUTTON (ALBS3)

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.



## DIMENSIONS



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# LOAD BUTTON (ALBS3)

## 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                    |



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