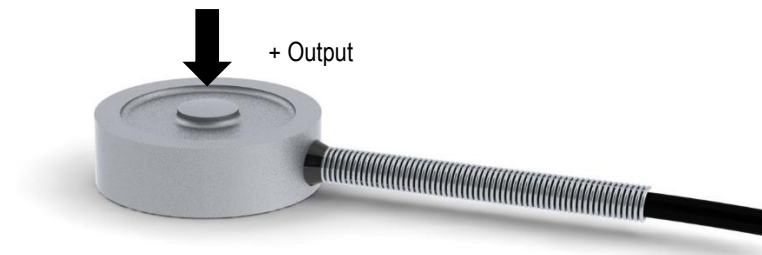


SGLBS3 Sub-miniature Load Button



RoHS

Product Description

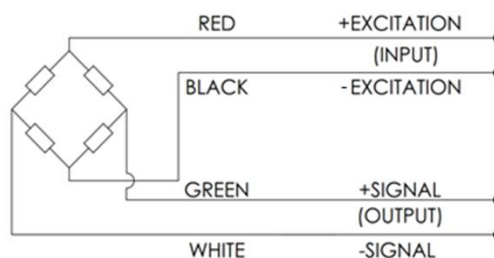
The model SGLBS3 load button is a stainless-steel sub miniature strain gauge-based transducer with compensated temperature performance. This type provides measurements up to 500 lb with better than $\pm 0.5\%$ (full scale) non-linearity.

Performance Specifications

▪ CAPACITY	100 lb, 200 lb & 500 lb
▪ RATED OUTPUT (RO)	2 mV/V nom.
▪ SAFE OVERLOAD	150 % of R.O.
▪ NO LOAD OFFSET (ZERO BALANCE)	$\pm 2\%$ of R.O.
▪ EXCITATION (VDC OR VAC)	5 recommended, 10 Max
▪ BRIDGE RESISTANCE	700 Ω nom.
▪ NON-LINEARITY	$\pm 0.5\%$ of R.O.
▪ HYSTERESIS	$\pm 0.5\%$ of R.O.
▪ NONREPEATABILITY	$\pm 0.1\%$ of R.O.
▪ TEMP. SHIFT ZERO	$\pm 0.01\%$ of R.O./ $^{\circ}\text{F}$ (± 0.018 of R.O./ $^{\circ}\text{C}$)
▪ TEMP. SHIFT SPAN	$\pm 0.02\%$ of LOAD/ $^{\circ}\text{F}$ (± 0.036 of LOAD/ $^{\circ}\text{C}$)
▪ COMPENSATED TEMP.	60 to 160 $^{\circ}\text{F}$ (16 to 71 $^{\circ}\text{C}$)
▪ OPERATING TEMP	-4 to 176 $^{\circ}\text{F}$ (-20 to 80 $^{\circ}\text{C}$)
▪ MATERIAL	Stainless Steel
▪ DEFLECTION	0.001 [0.025] nom.
▪ IP RATING	IP64
▪ CALIBRATION TEST EXCITATION	5V
▪ CALIBRATION (STD)	5 pt. COMPRESSION

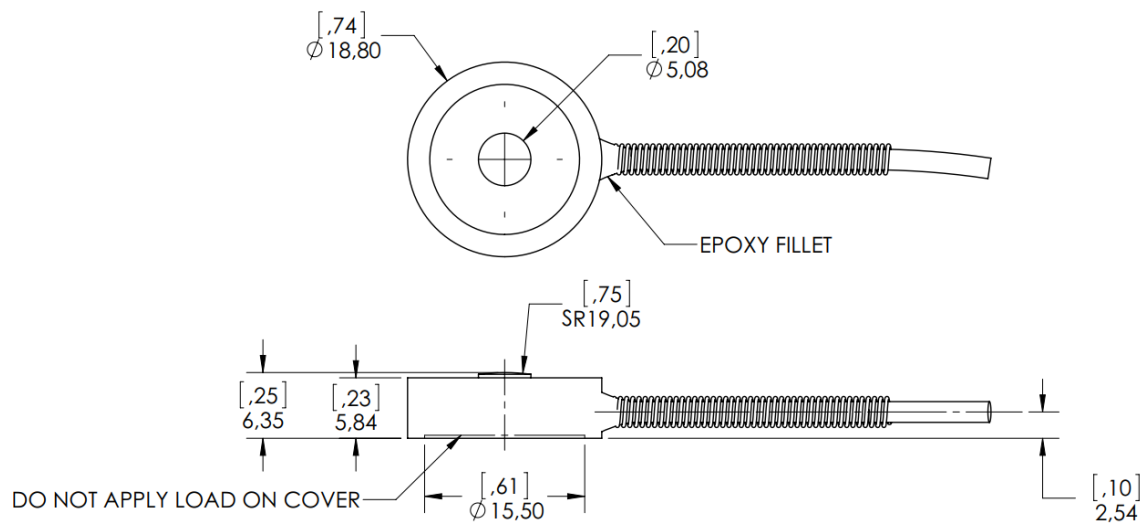
Wiring

- The load button is provided with a #32 AWG 4-conductor braided shielded cable with outer jacket, 0.087" [2.2 mm] diameter, 5 ft [1.5 m] (for standard version) long, with no connection between the shield and the sensor body. For additional protection, the cable is contained within a stainless steel spring for strain relief purposes for the first 1" [25 mm].



SGLBS3 Sub-miniature Load Button

Dimensions – mm [inch]



	Non loading surface
	Active End
	Fixed End