



Product Description

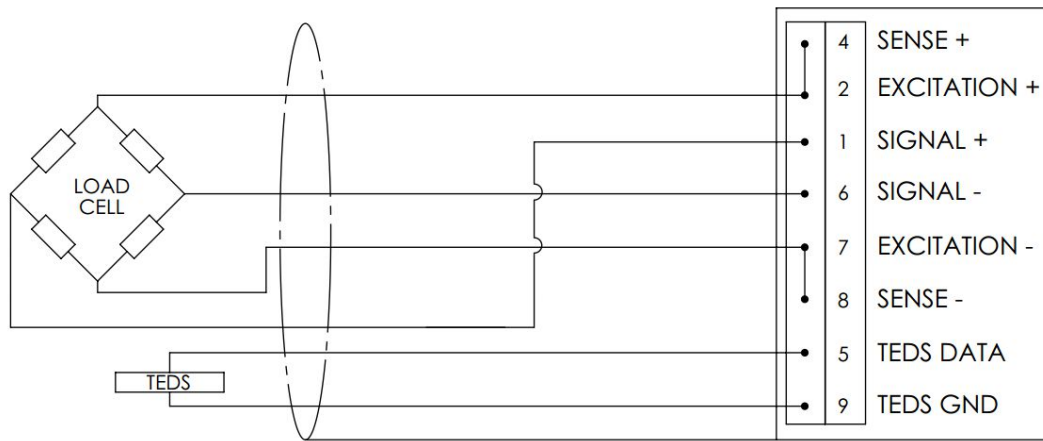
The Sub-miniature load button is a stainless steel sub-miniature strain gauge based transducer with temperature compensation and high performance. This design provides better than $\pm 0.25\%$ (full scale) non-linearity. Options included IEEE1451.4 TEDS capability.

Performance Specifications

▪ RATED CAPACITY	25 & 50 lbf (100 & 200 N)
▪ RATED OUTPUT (RO)	2mV/V nom.
▪ SAFE OVERLOAD	150 % of R.O.
▪ NO LOAD OFFSET (ZERO BALANCE)	$\pm 10\%$ of R.O.
▪ EXCITATION (VDC OR VAC)	10 MAX, 5V recommended
▪ INPUT IMPEDANCE	350 Ω nom.
▪ OUTPUT IMPEDANCE	350 Ω nom.
▪ NON-LINEARITY	$\pm 0.25\%$ of R.O.
▪ HYSTERESIS	$\pm 0.25\%$ 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	$\pm 0.01\%$ of LOAD/ $^{\circ}\text{F}$ (± 0.018 of LOAD/ $^{\circ}\text{C}$)
▪ COMPENSATED TEMP.	5 to 160 $^{\circ}\text{F}$ (-15 to 71 $^{\circ}\text{C}$)
▪ OPERATING TEMP.	-60 to 200 $^{\circ}\text{F}$ (-51 to 93 $^{\circ}\text{C}$)
▪ WEIGHT (approx)	0.02 lb [8.5g]
▪ MATERIAL	Stainless Steel
▪ DEFLECTION	0.0008" [0.02mm] nom.
▪ IP RATING	IP64
▪ CALIBRATION TEST EXCITATION	5 VDC
▪ CALIBRATION (STD)	5 pt. COMPRESSION
▪ CONNECTOR	DB9 Female

Wiring

- The load button is provided with a #32 AWG 4-conductor braided shielded cable with outer jacket, 0.065" [1.63 mm] diameter, 16 inch [406 mm] 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].
- Connector pin configuration as shown below



Dimensions (mm)

