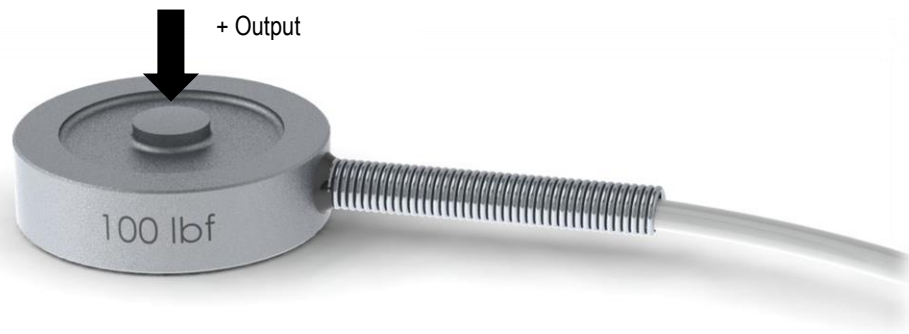


ALBS2 Sub-miniature Load Button



Product Description

The model ALBS2 load button is a stainless steel subminiature strain gauge based transducer with compensated temperature performance. This type provides measurements up to 250 lb with better than $\pm 0.5\%$ (full scale) non-linearity.

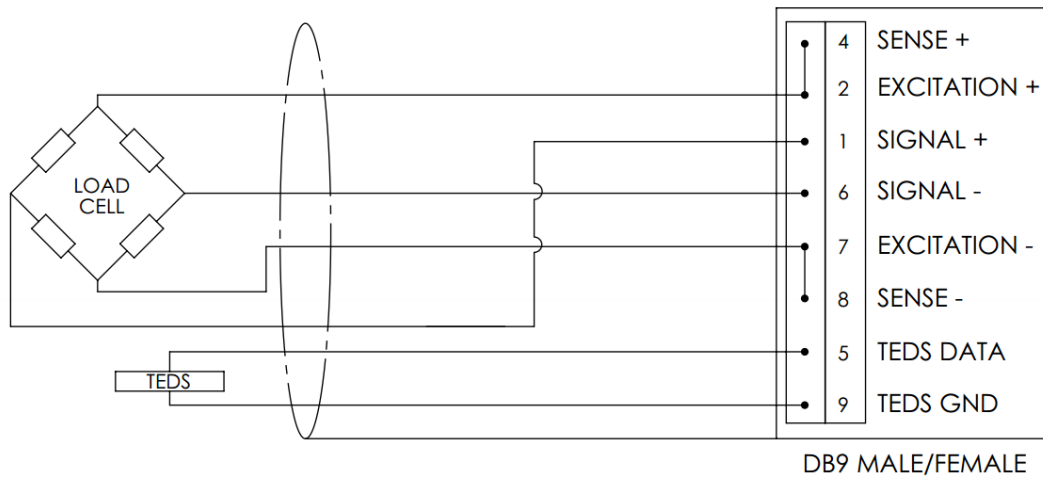
Performance Specifications

▪ CAPACITY	100 lb, 200 lb and 250lb
▪ RATED OUTPUT (RO)	2 mV/V nom.
▪ SAFE OVERLOAD	150 % of R.O.
▪ NO LOAD OFFSET (ZERO BALANCE)	$\pm 2\%$ of R.O. ($\pm 10\%$ of R.O. for welded version)
▪ EXCITATION (VDC OR VAC)	7 MAX
▪ BRIDGE RESISTANCE	350 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./ $^{\circ}$ F (± 0.018 of R.O./ $^{\circ}$ C)
▪ TEMP. SHIFT SPAN	$\pm 0.02\%$ of LOAD/ $^{\circ}$ F (± 0.036 of LOAD/ $^{\circ}$ C)
▪ COMPENSATED TEMP.	60 to 160 $^{\circ}$ F (16 to 71 $^{\circ}$ C)
▪ OPERATING TEMP	-60 to 200 $^{\circ}$ F (-51 to 93 $^{\circ}$ C)
▪ WEIGHT (approx)	0.03 lb [14.2 g]
▪ MATERIAL	Stainless Steel
▪ DEFLECTION	0.0007 [0.018] nom.
▪ IP RATING	IP64
▪ CALIBRATION TEST EXCITATION	5V Recommended, 10V Max
▪ CALIBRATION (STD)	5 pt. COMPRESSION
▪ CONNECTOR	DB9 Male or Female

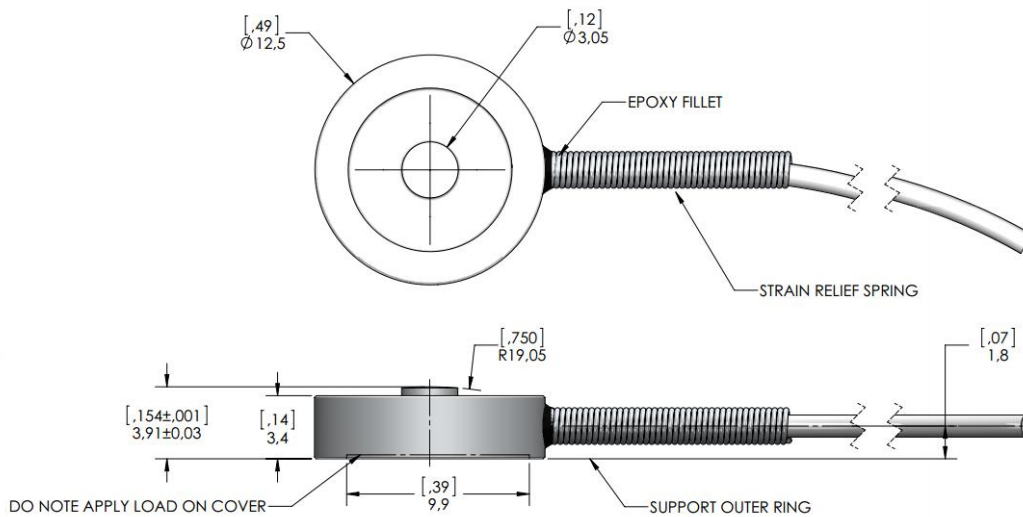
Wiring

- The load button is provided with a #32 AWG 4-conductor braided shielded cable with outer jacket, 0.065" [1.63 mm] diameter, 3 ft [1 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 2" [50 mm].
- Connector pin configuration as shown below

ALBS2 Sub-miniature Load Button



Dimensions (mm)



Ordering Details

To order a specific button required, compile and quote a unique part number from the illustration below

ALBS2 - XXX - X - X - X-XX

Model	Capacity (lbf)	Connector type	Cable length (ft)	Cover	Factory assigned optional codes for custom/ special configurations
ALBS2	100	M - DB9 Male	3	W - Welded	
ALBS2	200	F - DB9 Female	5	B - Bonded	
ALBS2	250		10		

EX: ALBS2-100-F-3-W

OPTIONAL

Special cable lengths and pin configurations on request