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ALBS3
Load Button



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.

SPECIFICATIONS

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 Q 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/ $^{\circ}$ F (± 0.018 of RO/ $^{\circ}$ C)
Temperature Shift Span (%)	± 0.02 of Load/ $^{\circ}$ F (± 0.036 of Load/ $^{\circ}$ C)
Compensated Temperature ($^{\circ}$ F)	+60 to + 160 (+ 16 to + 71 $^{\circ}$ C)
Operating Temperature ($^{\circ}$ F)	-4 to + 176 (-20 to +80 $^{\circ}$ C)
Material	Stainless Steel
Deflection (in)	0.001 (0.025mm) nominal
IP Rating	IP64
Calibration Test Excitation (VDC)	5
Calibration (std.)	5 pt. compression



DIMENSIONS

