

IFFALBS1 Load Button

IFFALBS1 load button is a stainless steel sub-miniature strain gauge based transducer with compensated temperature performance. This type provides better than $\pm 0.5\%$ (full scale) non-linearity. Also available with welded cover.



Specification

Parameters	Range
Capacity	5 & 10 lbf (20 & 40 N)
Rated output (RO)	2 mV/V nom. (1mV/V nom. For 5 lb)
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
Input impedance	350 Ω nom.
Non-linearity	$\pm 0.5\%$ of R.O.
Hysteresis	$\pm 0.5\%$ of R.O.
Non-repeatability	$\pm 0.1\%$ of R.O.
CREEP (30 min)	$\pm 0.5\%$ of R.O.
Temp. Shift zero	$\pm 0.01\%$ of R.O./ $^{\circ}\text{F}$ (± 0.018 of R.O./ $^{\circ}\text{C}$) $\pm 0.02\%$ of R.O./ $^{\circ}\text{F}$ (± 0.036 of R.O./ $^{\circ}\text{C}$) for 5 lb
Temp. Shift span	$\pm 0.02\%$ of LOAD/ $^{\circ}\text{F}$ (± 0.036 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 Male or Female

Dimensions (mm)

