SUB-MINIATURE LOAD BUTTON

Model LABS1 & LABS2

LABS load button is a stainless steel subminiature strain gauge based transducer with compensated temperature performance. This type provides better than ±0.5% (full scale) non-linearity. Also available with welded cover.
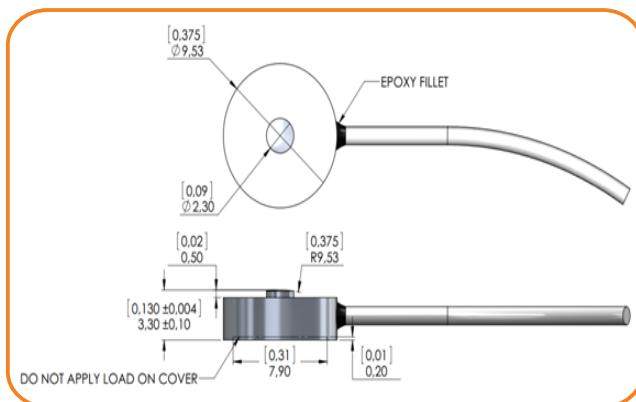
SPECIFICATIONS

Specifications	Accuracy	
Rated capacity(R.C.)	LABS1: 5, 10, 25 & 50 lb	LABS2: 100 & 200 lb
Rated output(R.O.)	2mV/V	2mV/V
Nonlinearity	0.5% of R.O.	0.5% of R.O.
Hysteresis	0.5% of R.O.	0.5% of R.O.
Repeatability	0.1% of R.O.	0.1% of R.O.
Zero balance	±2.0% of R.O.	±2.0% of R.O.
Temperature effect, on rated output	0.036% of LOAD / ℃	0.036% of LOAD / ℃
Temperature effect, on zero balance	0.018% of R.O. / ℃	0.018% of R.O. / ℃
Temperature range, compensated	-15~71℃	16~71℃
Operating temperature range	-51~93℃	-51~93℃
Input impedance	350Ω	350Ω
IP rating	IP 64	IP 64
Weight	8.5g	14.2g
Excitation recommended	5V	5V
Safe overload	150% R.C.	150% R.C.
Connector	DB9 male or female	DB9 male or female

DIMENSIONS TABLE

unit:mm

LABS1

LABS2