



Load Cells

Compression

ADI 90410

INDEX

Description

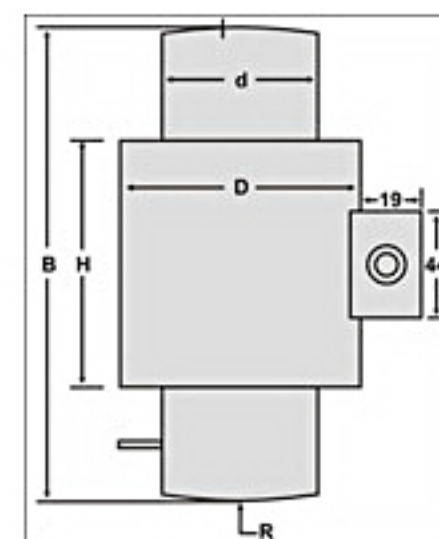
Single Column Rocker type compression Load Cell model- ADI 90410 is Strain Gage based which is fully temperature compensated. It is provided with antirotating mechanism and it is self restoring and easy to install. This is also available with mounting module WM-VIII upon request. This is linearised with accuracy of 0.025% of FSD. This Load Cell is provided with surge voltage protection.

Performance Specification

Standard Capacities (Tf.)	10, 20,30,40,50,60,75,100
Excitation Voltage	15 VDC - Maximum 20 VDC
Nominal Output	2.0 mV/V
Non - Linearity	$< \pm 0.025 \% \text{ FSO (Full Scale Output)}$
Hysteresis	$< \pm 0.05 \% \text{ FSO}$
Non-Repeatability	$< \pm 0.02 \% \text{ FSO}$
Creep (30 minutes)	$< \pm 0.03 \% \text{ FSO}$
Zero Balance	$\pm 1.0 \% \text{ FSO}$
Input Resistance	$770 \pm 5.0 \text{ Ohms}$
Output Resistance	$700 \pm 3.0 \text{ Ohms}$
Insulation Resistance (50VDC)	$> 1000 \text{ Mega Ohms at } 50 \text{ VCD}$
Cable	4 Core Screen Cable 20 Mtrs.
Safe Overload	150%
Ultimate Overload	300%
Temp. Compensated Range	$0-60^{\circ}\text{C}$
Deflection	$< 0.4 \text{ mm at rated load}$
Finish & Construction	Stainless Steel - 17-4 PH Outer Casing - SS 304
Environmental Protection Class	IP68
Transient Voltage Protection	Provided



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Type	B	R	d	D	H
10,15,20,30,40	150	150	44	90	75
45,50,60	175	150	44	90	75
75,100	200	300	65	90	100

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