



Description

90410 is CE Certified precision rocker type compression Load cell useful in tank weighing, Hopper weighing. It is constructed from Stainless steel 17-4 PH material for ruggedness and Harsh Industrial applications. It is Hermitically sealed, Laser welded to provide IP-68 degree of environmental protection. It is strain gauge based with full temperature compensation over 10 to 60°C range. Can be supplied with compatible mounting brackets at an extra cost.

Applications

- Weigh bridge
- Tank & Silo weighing
- Civil & Construction material
- Pile & Structure Testing
- Industrial Automation
- Compression Force Testing

Key Features

High accuracy available as per standard ISO 376:2011

Complete Environmental Protection –IP 68 class and meet to IP69K

Stainless steel SS17-4 PH loading element and 304 body constructions

A high-temperature version can be provided on request

Wide range of capacities from 10TF to 100TF

Standardized output (2.0 mV/V) and customized output can be provided on request

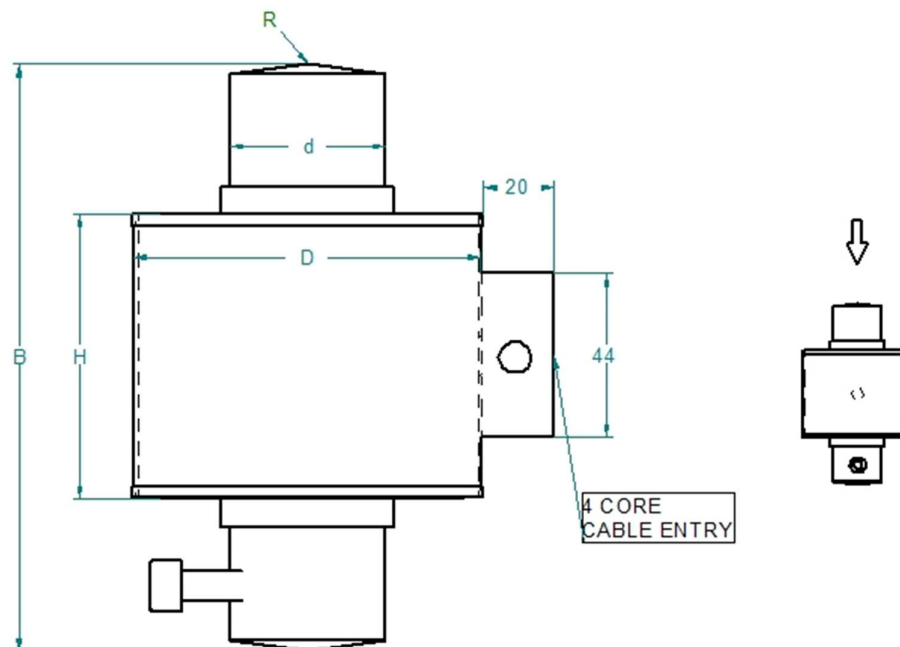
Calibration in mV/V/Ω

Can be **customized** to suit customer's need

Technical Specifications

STANDARD CAPACITY		5, 10, 15, 20, 30, 40, 50, 60, 75, 100 - TF
PERFORMANCE	Non - Linearity	< ± 0.025 % FSO
	Hysteresis	< ± 0.03 % FSO
	Non-Repeatability	< ± 0.02 % FSO
	Creep (30 minutes)	< ± 0.03 % FSO
	Zero Balance	± 1.0 % FSO
ELECTRICAL	Output	2.00 mV/V
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)
	Input Resistance	$770 \pm 20.0 \Omega$ (Ohms)
	Output Resistance	$700 \pm 5.0 \Omega$ (Ohms)
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)
STRUCTURE	Safe Overload Of Rated Capacity	150%
	Ultimate Overload of Rated Capacity	300%
	Allowable Side Load	50%
	Deflection	< 0.4 mm at FSO
	Finish Product	Stainless Steel SS 17-4 PH loading element and made by SS304
	As per IS/IEC 60529:2001	IP68 ,Meet to IP 69K
TEMP.	Operating Temperature	0°C to 60°C (Optional 90°C, 120°C, 150°C)
	Compensated Temperature	10°C to 50°C (Optional 90°C, 120 °C, 150 °C)
	Temperature Effect on Output	< 0.005 % FSO/ °C
	Temperature Effect on Zero	< 0.005 % FSO/ °C
OPTIONAL	ATEX	II 3D EX tcIIIC T60°C DC, II 3G EX ec IIC GC
	High Temperature Cable	Teflon Cable
	High Temperature Range	40°C to 90°C (Temperature Effect on Output & Zero : < 0.020% FSO/ °C)
	Accessories	DLC-6 DLC-6M DIGITAL LOAD CONTROLLER (MULTI. O/P)

Dimensions (mm)

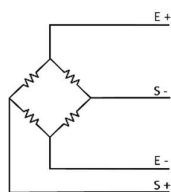


CAPACITY-TF	B	R	d-Ø	D-Ø	H	CABLE
5,10, 15, 20, 30, 40, 50	150	150	40	90	75	15 Meter
60, 75, 100	200	430	65	100	100	15 Meter

All dimensions are in mm.

Specifications are subject to change.

Electrical Termination



Excitation(E+)	Red
Signal(S-)	White
Excitation(E-)	Black
Signal(S+)	Green
Shield	