



Description

Model 90710-B is a strain gauge based column Compression type Load cell. The cell is recommended for Calibration master load cell. It is also used for Compressive force testing Machines.

Applications

- Compression Force Testing
- Hydraulic Press
- Force Calibration laboratories
- Civil & Construction Material Testing
- Pile & Structure Testing

Key Features

High accuracy available with class 1, 0.5, 00 As per standard ISO 376:2011 Case A

Complete Environmental Protection – Meets IP 67

Electro less nickel-plated tool steel / SS 17-4 PH

A high-temperature version can be provided on request

Wide range of capacities from 300KN to 10000 KN.

Technical Specifications

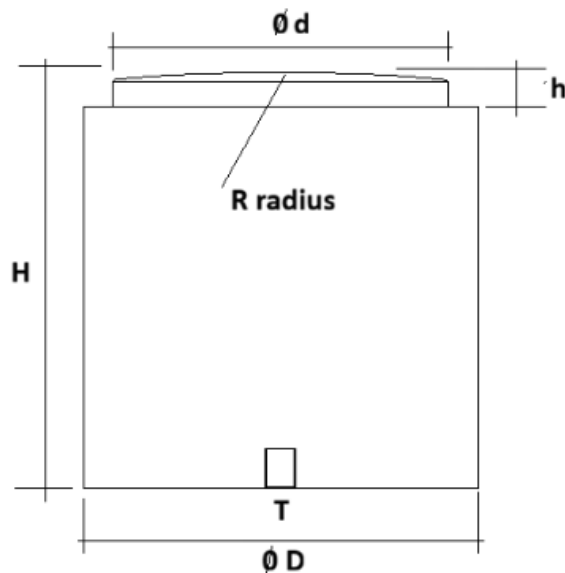
STANDARD CAPACITY(KN)		300,500,750,1000,2000, 3000,5000,7500,10000		
	Capacity (KN)	300,500,750,1000,2000, 3000,5000,7500,10000	300,500,750,1000,2000,3000,	300,500,750,1000,
PERFORMANCE	Accuracy value as per ISO376	Class 1	Class 0.5	Class 00
	Repeatability	< ±0.1 % FSO	< ±0.05 % FSO	<±0025 % FSO
	Reproducibility	< ±0.2 % FSO	< ±0.1 % FSO	< ±0.05% FSO
	Interpolation	< ±0.10 % FSO	< ±0.05% FSO	< ±0.025 % FSO
	Creep (300 Sec.)	< ±0.1 % FSO	< ±0.05 % FSO	< ±0.025% FSO
	Zero return	±0.050% FSO	±0.025% FSO	±0.012% FSO
ELECTRICAL	Output	2.00 mV/V		
	Excitation Voltage	10 VDC - Maximum 15 VDC		
	Input Resistance	770 ± 5.0 Ω (Ohms)		
	Output Resistance	700 ± 3.0 Ω (Ohms)		
	Cable	4 core / 6 core Shielded cable. 5 meter length		
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)		
STRUCTURE	Safe Overload Of Rated Capacity	150%		
	Ultimate Overload of Rated Capacity	200%		
	Deflection	< 0.4 mm at FSO		
	As per IS/IEC 60529:2001	IP65		
TEMP.	Operating Temperature	0°C to 55°C		
	Compensated Temperature	10°C to 50°C		
	Temperature Effect on Output	< 0.005 % FSO/ °C		
	Temperature Effect on Zero	< 0.0030 % FSO/ °C		
OPTIONAL	Display	Calibration grade Hand Held display unit (Battery operated) model HH-06		
	Assembly	Top Loading button		
	Accessories	DLC-6 DLC-6M DIGITAL LOAD CONTROLLER (MULTI. O/P)		

90710-B

COMPRESSION CALIBRATION GRADE LOAD CELL



Dimension (mm)



CAPACITY(KN)	D	d	H	h	R	T X Deep
300 ,500, 750	70	50	80	10	150	M12 × 10
1000	100	60	120	20	150	M20 × 15
2000, 3000	140	100	180	30	430	M20 × 15
5000	180	130	220	40	430	M20 × 15
7500 , 10000	220	180	260	50	430	M20 × 15

All dimensions are in mm.

Specification are subject to change

Electrical Termination

