



Description

CE Certified 90610-M-TH Mini Pancake compression type Load cell used where space is constraint. It is constructed from Aluminium Alloy/ SS 17-4 PH suitable for harsh industrial applications. It is provided with 3 mounting threaded hole for proper fixing. Loading is through the threaded loading button.

Applications

- Compression/ Tensile Force Testing
- Force and Impact Testing
- Robotics
- Test Bench
- Automation
- Pharma Machinery
- Test Bench
- Spring Testing Machine

Key Features

High accuracy available as per standard ISO 376:2011

Complete Environmental Protection – Meets IP 65 class

Aluminum Alloy or Stainless steel 17-4 PH constructions

Wide range of capacities from 10 KGF to 5000 KGF.

Standardized output (1.50 mV/V $\pm$ 0.5) and customized output can be provided on request

Calibration in mV/V/ Ω

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

90610-M-TH

MINI PANCAKE LOAD CELL



Technical Specifications

STANDARD CAPACITY		10, 20, 50, 100, 200, 500, 1000, 1500, 2000, 3000, 5000 -KGF
PERFORMANCE	Non - Linearity	< ±0.25 % FSO
	Hysteresis	< ±0.1 % FSO
	Non-Repeatability	< ±0.1 % FSO
	Creep (30 minutes)	< ±0.03 % FSO
	Zero Balance	±1.0% FSO
ELECTRICAL	Output	1.50 mV/V ± 0.5
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10 VDC)
	Input Resistance	390 ± 10.0 Ω (Ohms)
	Output Resistance	350 ± 3.0 Ω (Ohms)
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)
STRUCTURE	Safe Overload Of Rated Capacity	150%
	Ultimate Overload of Rated Capacity	250%
	Allowable Side Load	50%
	Deflection	< 0.4 mm at FSO
	Finish Product	Aluminum Alloy 10, 20 - KGF Stainless Steel SS 17-4 PH 50 to 5000 - KGF
	As per IS/IEC 60529:2001	Will meet to IP65
TEMP.	Operating Temperature	0°C to 60°C
	Compensated Temperature	10°C to 50°C
	Temperature Effect on Output	< 0.005 % FSO/ °C
	Temperature Effect on Zero	< 0.005 % FSO/ °C

Dimensions (mm)



CAPACITY-KGF	h	H	D-ø	M THREAD	m th	d	F	MOC	CABLE
10, 20	6	12	30	6	3	5	22	Aluminum Alloy	1 Meter
50, 100, 200	6	12	30	6	3	5	22	SS 17-4 PH	1 Meter
500, 1000, 1500	13	12	32	8	5	8	25	SS 17-4 PH	1 Meter
2000, 3000, 5000	23	20	50	16	6	8	42	SS 17-4 PH	1 Meter

All dimensions are in mm.

Specifications are Subject to Change.

Electrical Termination

