



Description

CE Qualified 90610-M-T Mini pan cake compression type load cell is very miniature and is used where space is constraint. It is constructed from stainless steel 17-4 PH suitable for harsh and hygienic industrial applications. It is provided 3 mounting threaded hole for proper fixing. It is strain gauge based with temperature compensation.

Applications

- Compression Testing
- Force and Impact Testing
- Robotics
- Test Bench
- Automation
- Pharma Machinery

Key Features

High accuracy available as per standard ISO 376:2011

Complete Environmental Protection – Meets IP 65 class

Stainless steel 17-4 PH constructions

A high-temperature version can be provided on request

Wide range of capacities from 10 KGF to 2000 KGF.

Standardized output ($2.0 \text{ mV/V} \pm 0.5$) and customized output can be provided on request

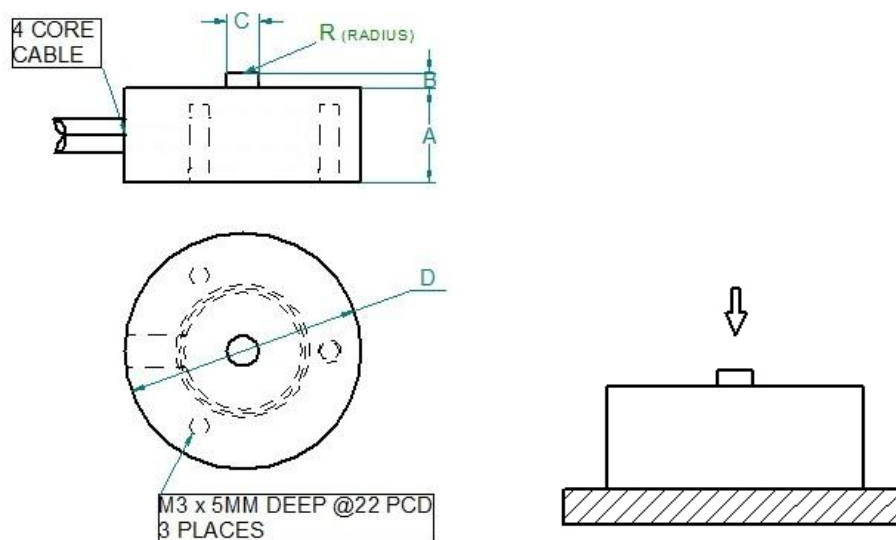
Calibration in $\text{mV/V}/\Omega$

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

Technical Specifications

STANDARD CAPACITY		10, 20, 50, 100, 200, 300, 500, 750, 1000, 1500, 2000 - KGF
PERFORMANCE	Non - Linearity	< ± 0.1 % FSO
	Hysteresis	< ± 0.1 % FSO
	Non-Repeatability	< ± 0.1 % FSO
	Creep (30 minutes)	< ± 0.03 % FSO
	Zero Balance	± 1.0 % FSO
ELECTRICAL	Output	2.00 mV/V ± 0.5
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10 VDC)
	Input Resistance	390 $\pm$ 10.0 Ω (Ohms)
	Output Resistance	350 $\pm$ 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 17-4 PH - 50,100, 200, 300, 500, 750, 1000, 1500, 2000 - KGF
	As per IS/IEC 60529:2001	IP65
TEMP.	Operating Temperature	0°C to 60°C
	Compensated Temperature	10°C to 50°C
	Temperature Effect on Output	< 0.05 % FSO/ °C
	Temperature Effect on Zero	< 0.05 % FSO/ °C

Dimensions (mm)

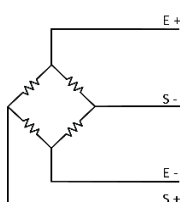


CAPACITY	A	B	C-∅	D	R	CABLE
10, 20, 50, 100, 200, 300, 500, 750, 1000- KGF	12	2	4	30	100	1 Meter
1.5, 2 - TF	12	2	8	30	100	1 Meter

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	