



Description

CE Certified 90610-M Super Mini Pan cake compression type load cell. It is very miniature and is used where space is constraint. It is constructed from Aluminium Alloy/ Stainless Steel 17-4 PH suitable for harsh industrial applications. 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

Aluminum Alloy or Stainless steel 17-4 PH constructions

Wide range of capacities from 10 KGF to 200 KGF.

Standardized output ($1.5 \text{ mV/V} \pm 0.5$) and customized output can be provided on request

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

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

Technical Specifications

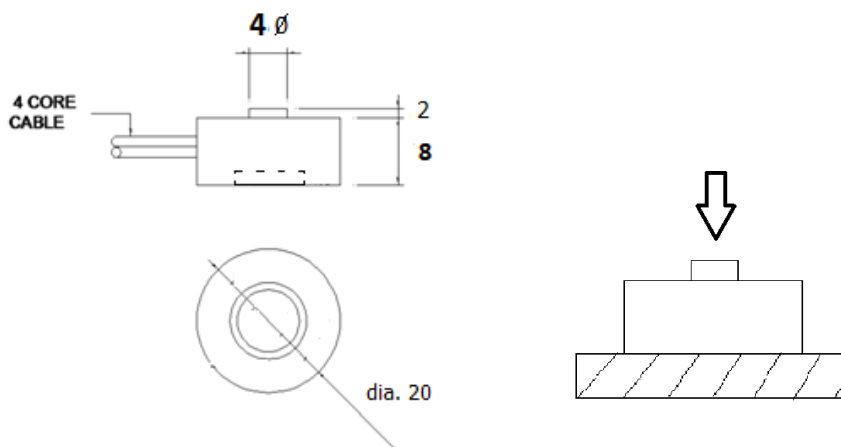
STANDARD CAPACITY		10, 20, 50, 100, 150, 200	-KGF
PERFORMANCE	Non - Linearity	< ± 0.5 % FSO	
	Hysteresis	< ± 0.2 % FSO	
	Non-Repeatability	< ± 0.2 % FSO	
	Creep (30 minutes)	< ± 0.05 % FSO	
	Zero Balance	± 1.0 % FSO	
ELECTRICAL	Output	1.5 mV/V ± 0.5	
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10 VDC)	
	Input Resistance	$390 \pm 10.0 \Omega$ (Ohms)	
	Output Resistance	$350 \pm 3.0 \Omega$ (Ohms)	
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)	
STRUCTURE	Safe Overload Of Rated Capacity	150%	
	Ultimate Overload of Rated Capacity	200%	
	Allowable Side Load	50%	
	Deflection	< 0.4 mm at FSO	
	Finish Product	Aluminum Alloy - 10, 20 KGF Stainless Steel 17-4 PH - 50, 100, 150, 200 KGF	
	As per IS/IEC 60529:2001	Meets IP 65	
TEMP.	Operating Temperature	0°C to 60°C	
	Compensated Temperature	10°C to 50°C	
	Temperature Effect on Output	< 0.0075 % FSO/ °C	
	Temperature Effect on Zero	< 0.005 % FSO/ °C	

90610-M

SUPER MINI PANCAKE LOAD CELL

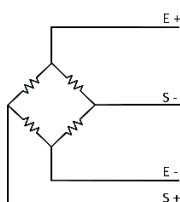


Dimensions (mm)



CAPACITY	CABLE
10, 20, 50, 100, 150, 200 - KGF	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	