



Description

CE Certified 90610-M Subminiature Mini pan cake compression type load cell is very miniature and is used where space is constraint. It is constructed from Aluminium Alloy 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 50 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

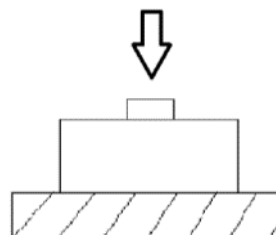
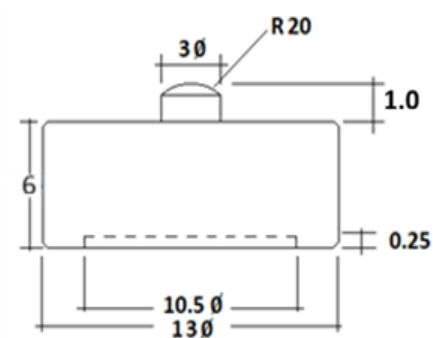
STANDARD CAPACITY		10, 20, 50	-KGF
PERFORMANCE	Non - Linearity	< ± 0.5 % FSO	
	Hysteresis	< ± 0.2 % FSO	
	Non-Repeatability	< ± 0.2 % FSO	
	Creep (30 minutes)	< ± 0.05 % FSO	
	Zero Balance	± 1.0 % FSO	
ELECTRICAL	Output	1.5 mV/V ± 0.5	
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10 VDC)	
	Input 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 / Stainless Steel 17-4 PH	
	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	< 0.075 % FSO/ °C	
	Temperature Effect on Zero	< 0.05 % FSO/ °C	

90610-M

SUBMINIATURE PANCAKE LOAD CELL

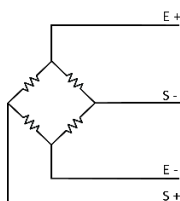


Dimensions (mm)



CAPACITY	CABLE
10, 20, 50 - KGF	1 Meter
All Dimensions are in mm. <i>Specifications are subject to Change.</i>	

Electrical Termination



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