



Description

90610 -Mini pancake compression load cells are suitable for applications where space is constraint. This is constructed from heat treated stainless steel suitable for harsh and hygienic industrial applications. It is sealed for IP-65 protection and it has long life. Extremely suitable for automation, tensile testing and force measurements.90610-Mini is available with integral load button.

Applications

- Tensile Testing
- Force and Impact Test
- Robotics
- Test Bench
- Automation
- Industrial Force Measurement

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 50 KGF to 1000 KGF.

Standardized output (2.0 mV/V) and customized output can be provided on request

Calibration in mV/V/Ω

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

Technical Specifications

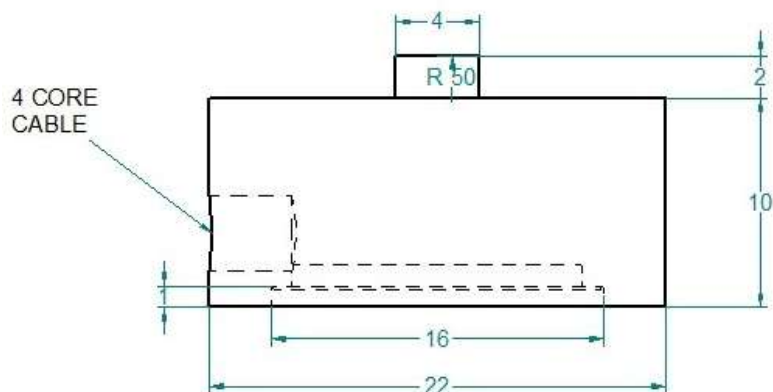
STANDARD CAPACITY		50, 100, 200, 500, 1000 - KGF
PERFORMANCE	Non - Linearity	< ± 0.1 % FSO
	Hysteresis	< ± 0.1 % FSO
	Non-Repeatability	< ± 0.1 % FSO
	Creep (30 minutes)	< ± 0.03 % FSO
	Zero Balance	$\pm 1.0\%$ FSO
ELECTRICAL	Output	2.00 mV/V
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)
	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	300%
	Allowable Side Load	50%
	Deflection	< 0.4 mm at FSO
	Finish Product	Stainless Steel 17-4 PH
	As per IS/IEC 60529:2001	IP65
TEMP.	Operating Temperature	0°C to 60°C (Optional 90°C, 120°C, 150°C)
	Compensated Temperature	10°C to 50°C (Optional 90°C, 120 °C, 150 °C)
	Temperature Effect on Output	< 0.005 % FSO/ °C
	Temperature Effect on Zero	< 0.005 % FSO/ °C
OPTIONAL	ATEX	II 3D EX tc IIIC T60°C DC, II 3G EX ec IIC GC
	High Temperature Cable	Teflon Cable
	High Temperature Range	40°C to 90°C (Temperature Effect on Output & Zero : < 0.020% FSO/ °C)
	Accessories	DLC-6 DLC-6M DIGITAL LOAD CONTROLLER (MULTI. O/P)

90610-M

MINI PANCAKE COMPRESSION LOAD CELL

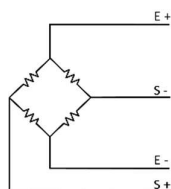


Dimensions (mm)



CAPACITY- KGF	CABLE
50, 100, 200, 500, 1000	1.5 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	