

**Description**

90610-M-TH-U is **CE Certified** Mini Pan cake Load Cell used for compression and tension inline axial loads where space is constraint. It is constructed from Aluminum Alloy or Stainless Steel 17-4 PH. It is designed for harsh and hygienic industrial applications. This Load Cell is provided with M8 mounting threads on both ends for compressive and or tensile loadings. It is strain gage based sensor with temperature compensation over 10 to 50 °C.

**Features**

- ❖ **CE Rated** ❖ Available in capacity 0-50Kgf. to 0-1500 Kgf.
- ❖ Complete environment protection IP 65 class.
- ❖ Standard output 2.0mV/V.
- ❖ Aluminum / SS 17-4 PH construction.
- ❖ Small size makes it useful in space limited applications in machines and automations.
- ❖ Higher capacity can be offered.

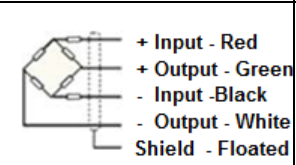
**Applications**

Compression/ Tensile force Testing	Force & Impact Testing
Robotics	Pharma Machinery
Test Bench	Automation

**Performance Specification**

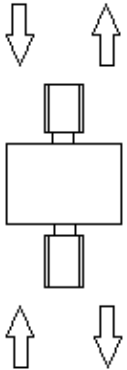
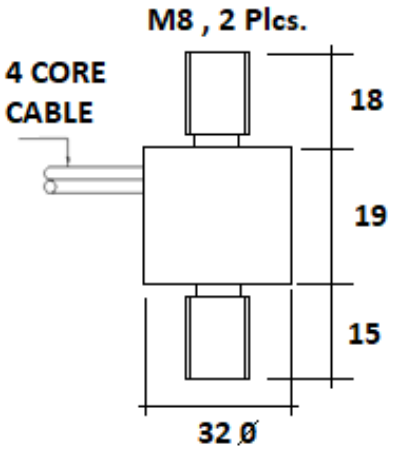
Standard Capacities	50, 100, 200, 500, 1000, 1500Kgf.
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.5 m V/ V
Non - Linearity	< ±0.25% FSO
Hysteresis	< ±0.1% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±1.0% FSO
Input Resistance	390 ± 10 Ohms
Output Resistance	350 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	2 Meters
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	250%
Temp. Compensated Range	0-50 °C
Temperature Effect on Output	< 0.05% FSO/ °C
Temperature Effect on Zero	< 0.05% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Aluminum / SS 17-4 PH
Environmental Protection Class	Will meet to IP 65

**Electrical Termination**



**Options**

- \* Supportive Hardware such as : Eye Bolt, Threaded loading Button, Threaded base plate
- \* Compatible Instruments with Relay output, 4-20 mA or 0-2 Volt Output
- \* Digital Version with RS-485 interface / USB output /Blue Tooth Telemetry / Wireless Telemetry
- \* Software for Graphic, Tabulation and Reporting
- \* Customization with customers dimensions



Specifications are subject to change.

All dimensions are in mm.

	<p>Made in INDIA by:</p> <p><b>ADI ARTECH</b></p> <p><b>TRANSDUCERS PVT. LTD.</b></p> <p>(An ISO 9001:2015 Certified Company)</p>	<p>917/1, G.I.D.C. Estate, Makarpura, Vadodara - 390 010, Gujarat, INDIA</p> <p><b>Mobile</b> : +91-9374068998, 9879444551, 9054467370</p> <p><b>Email</b> : sales@adiartech.com, adiartech@adiartech.com</p> <p><b>Website</b> : www.adiartech.com</p>
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