



Description

60610 is Strain Gauge based low profile bending beam miniature load cell and is ideal for jewellery and table top scales. It is designed for low eccentric load effects. It is provided with mechanical over load and under load protection mechanism.

Applications

- Precision jewelry Scales
- Small Bagging Machines
- Thread Tension Measurement

Key Features

Single Point Capability with Minimum Off-center Error.

Moisture Protecting Sealing

Complete Environmental Protection – Meets IP 65 class

Aluminum Alloy constructions

Inbuilt Mechanical over load Protection Bracket

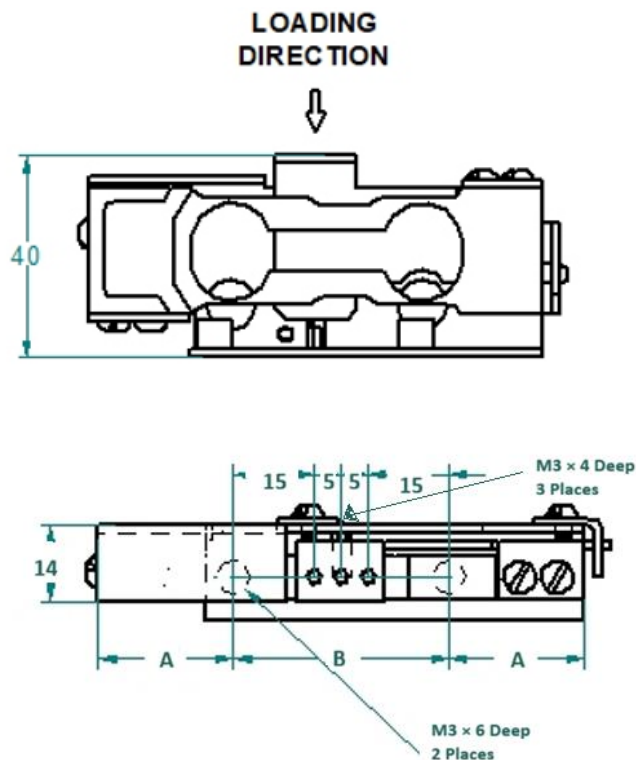
Wide range of capacities from 100 Gram F to 2 KGF.

Calibration in mV/V/Ω

Technical Specifications

STANDARD CAPACITY		100, 150, 200, 300, 400, 500, 700, 1000, 1500, 2000 -Gram F
PERFORMANCE	Non - Linearity	< ± 0.025 % FSO
	Hysteresis	< ± 0.02 % FSO
	Non-Repeatability	< ± 0.01 % FSO
	Creep (30 minutes)	< ± 0.03 % FSO
	Zero Balance	± 1.0 % FSO
ELECTRICAL	Output	1.6 mV/V $\pm$ 0.2%
	Excitation Voltage	Maximum 15 VDC (Suggested 5Vdc / 10Vdc)
	Input Resistance	420 $\pm$ 15.0 Ω (Ohms)
	Output Resistance	350 $\pm$ 5.0 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
	Platter Size	120 mm dia.
	Finish Product	Aluminum Alloy
	As per IS/IEC 60529:2001	Meets IP 65
	Mechanical Protection	Bracket provided for over and under load protection
TEMP.	Operating Temperature	0°C to 55°C
	Compensated Temperature	10°C to 50°C
	Temperature Effect on Output	< 0.0015 % FSO/ °C
	Temperature Effect on Zero	< 0.0020 % FSO/ °C
	Eccentric Load Effect	< 0.025 % of FSO when 1/3 rated load placed within 120 mm radius from center of load cell

Dimensions (mm)

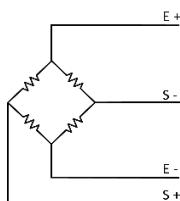


CAPACITY- Gram F	A	B	CABLE
100, 150, 200, 300, 400, 500	34.5	40	1 Meter
700, 1000, 1500, 2000	25	40	1 Meter

All dimensions are in mm.

Specification are subject to change.

Electrical Termination



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