



Description

60710 is a strain gauge based low profile bending beam load cell for platform size 300 X 300 mm and is ideal for bench, counting and Postal Scales. It is an economical Load cell meant for Off-centre loading applications. It is constructed from Aluminium Alloy for better sensitivity and performance. It is compensated from 0-60 °C temperature.

Applications

- Check Weighers
- Bench, Counting & Postal Scales

Key Features

Single Point Capability with Minimum Off-center Error.

Complete Environmental Protection – Meets IP 65 class

Aluminum Alloy constructions

Wide range of capacities from 3 KGF to 60 KGF.

Calibration in mV/V/Ω

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

Technical Specifications

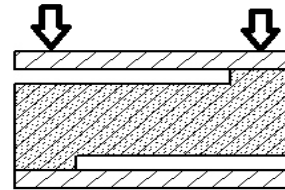
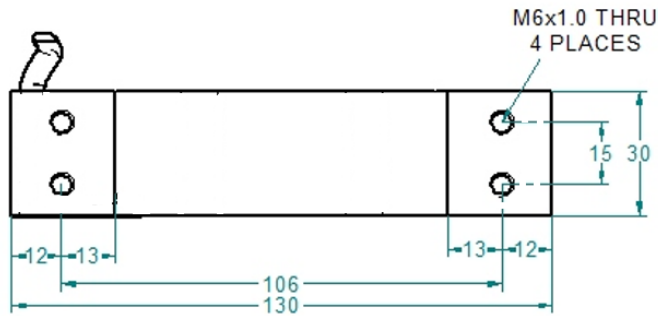
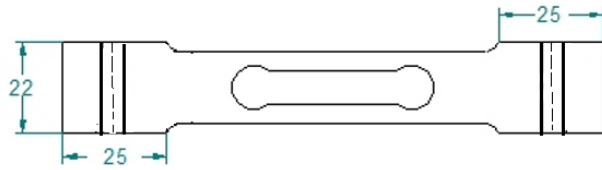
STANDARD CAPACITY		3, 6, 10, 15, 20, 30, 40, 60	-KGF
PERFORMANCE	Non - Linearity	< ± 0.025 % FSO	
	Hysteresis	< ± 0.02 % FSO	
	Non-Repeatability	< ± 0.01 % FSO	
	Creep (30 minutes)	< ± 0.03 % FSO	
	Zero Balance	$\pm 1.0\%$ FSO	
ELECTRICAL	Output	2.00 mV/V $\pm$ 0.2%	
	Excitation Voltage	Maximum 15 VDC (Suggested 5Vdc / 10Vdc)	
	Input Resistance	400 $\pm$ 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	300 mm X 300 mm	
	Finish Product	Aluminum Alloy	
	Tightening Torque	1.5 m. kg.	
	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	< 0.0015 % FSO/ °C	
	Temperature Effect on Zero	< 0.0020 % FSO/ °C	
	Eccentric Load Effect	< 0.025 % of FSO when 1/3 rated load placed within 150mm radius from center of load cell	

60710

SINGLE POINT TABLE TOP LOAD CELL



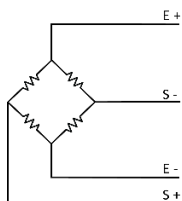
Dimensions (mm)



Arrow shows direction for +Ve Output

CAPACITY(KGF)	CABLE
3, 6, 10, 15, 20, 30, 40, 60	0.5 Meter
All dimensions are in mm. <i>Specification are subject to change.</i>	

Electrical Termination



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