



Description

60310 / 60310 SS is Strain gauge based low profile bending beam load cell for platform size of 600 X 600 (mm). It is constructed with tool steel & stainless steel 17-4 PH suitable for harsh industrial applications. It is an economical cell for smaller size low profile platform scales. It is off centre load compensated and is rugged to take shock loads.

Applications

- Chemical Industries
- Process Automations
- Check Weigher
- Bag Weighing
- Marine scales
- Process weighing- Hopper, Tank and Silos

Key Features

Complete Environmental Protection – Meets IP 65 class

Electro less Nickel Plated Tool Steel & stainless steel 17-4 PH constructions

Single point capability with minimum error for off center loading

Wide range of capacities from 30 KGF to 400 KGF

Calibration in mV/V/Ω

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

60310 / 60310 SS

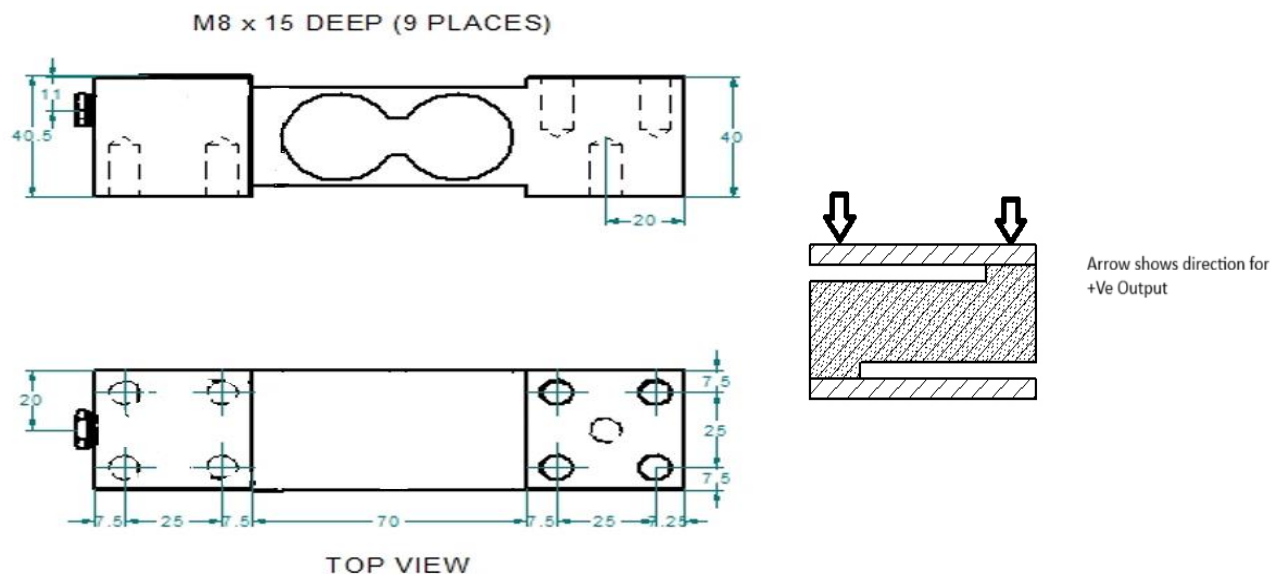
SINGLE POINT PLATFORM LOAD CELL



Technical Specifications

STANDARD CAPACITY(KGF)		30, 75, 100, 150, 200, 250, 300, 400	-KGF
		500, 1000, 1500 (ON REQUEST)	-KGF
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	2.00 mV/V ± 0.2 %	
	Excitation Voltage	Maximum 15 VDC (Suggested 5Vdc / 10Vdc)	
	Input Resistance	390 $\pm$ 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	< 0.5 mm at FSO	
	Platter Size	600 mm X 600 mm	
	Finish Product	60310 – Electro less Nickel Plated Tool Steel 60310 SS – Stainless Steel 17-4 PH	
	Tightening Torque	3 m. kg.	
	As per IS/IEC 60529:2001	Meets IP 65, IP 67 (Available on request)	
TEMP.	Operating Temperature	0°C to 60°C	
	Compensated Temperature	10°C to 50°C	
	Temperature Effect on Output	< 0.002 % FSO/ °C	
	Temperature Effect on Zero	< 0.003 % FSO/ °C	
	Eccentric Load Effect	60310 - < 0.02% of FSO at 1/3 rated load placed within 300mm radius from center of load cell 60310 SS - 0.3% of FSO at 1/3 rated load placed within 250mm radius from center of load cell	

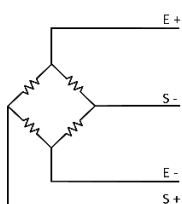
Dimensions (mm)



CAPACITY (KGF.)	CABLE
30, 50, 75, 100, 120, 150, 200, 250, 300, 400	3 Meter
500, 1000, 1500 (ON REQUEST)	3 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	