

60410 / 60410 SS

SINGLE POINT PLATFORM LOAD CELL



Description

60410 / 60410 SS is a Strain gauge based low profile bending beam load cell and is ideal for precision single point platform scale industries, whose platform size is 750 mm X 750 mm. It is designed for eccentric load sensitivity. Its tool steel construction is very rugged to withstand shock loads. It is also provided in hardenable Stainless Steel 17-4 PH construction for hygienic and corrosive applications.

Applications

- Medium Size Platform Scales
- Bag Weighing
- Hopper Weighing

Key Features

Minimum Error for Off-center Loading

Complete Environmental Protection – Meets IP 65 class

Electro less Nickel Plated Tool Steel & stainless steel 17-4 PH constructions for hygienic and corrosive applications

Wide range of capacities from 100 KGF to 1500 KGF.

Calibration in mV/V/Ω

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

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Technical Specifications

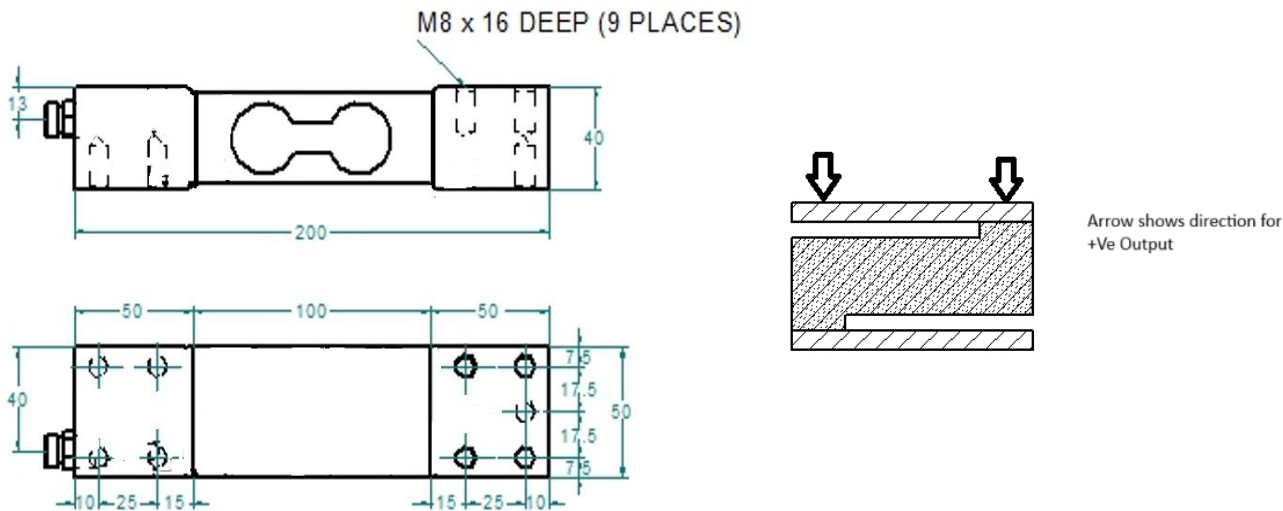
STANDARD CAPACITY		100, 150, 200, 300, 500, 750, 1000, 1500	-KGF
PERFORMANCE	Non - Linearity	< ± 0.025 % FSO	
	Hysteresis	< ± 0.02 % FSO	
	Non-Repeatability	< ± 0.01 % FSO	
	Creep (30 minutes)	< ± 0.03 % FSO	
	Zero Balance	$\pm 1.0\%$ FSO	
ELECTRICAL	Output	2.00 mV/V $\pm$ 0.2%	
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)	
	Input Resistance	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	750 mm X 750 mm	
	Finish Product	60410 – Electro less Nickel Plated Tool Steel 60410-SS – Stainless Steel 17-4 PH	
	Tightening Torque	5 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	< 0.0015 % FSO/ °C	
	Temperature Effect on Zero	< 0.0020 % FSO/ °C	
	Eccentric Load Effect	< 0.02 % of Output when 1/3 rated load placed at 375 mm radius from the center of Load Cell	

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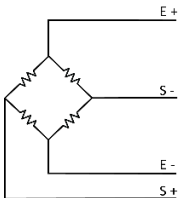


Dimensions (mm)



CAPACITY (KGF.)	CABLE
100, 150, 200, 300, 500, 750, 1000, 1500	3 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	