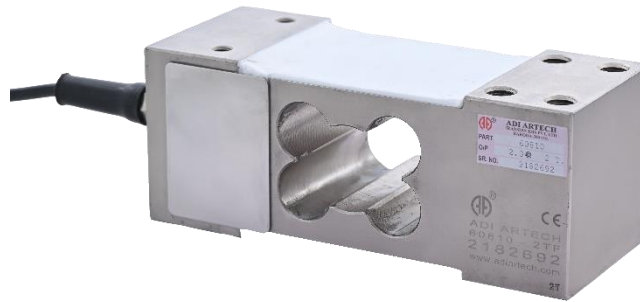




Description

60810 is Strain gauge based low profile bending beam load cell and is ideal for precision large platform scale applications. It is designed for low eccentric sensitivity. This support large platform size of 1000 mm X 1000 mm. It is constructed from tool steel for heavy shock load. Its tool steel construction is very rugged to withstand shock loads.

Applications

- Large size platform scales
- Bag Weighing & Hopper weighing
- Steel Weigher

Key Features

Complete Environmental Protection – Meets IP 67 class

Electro less Nickel Plated Tool Steel constructions

Single point capability with minimum error for off center loading

Wide range of capacities from 500 KGF to 3000 KGF

Calibration in mV/V/Ω

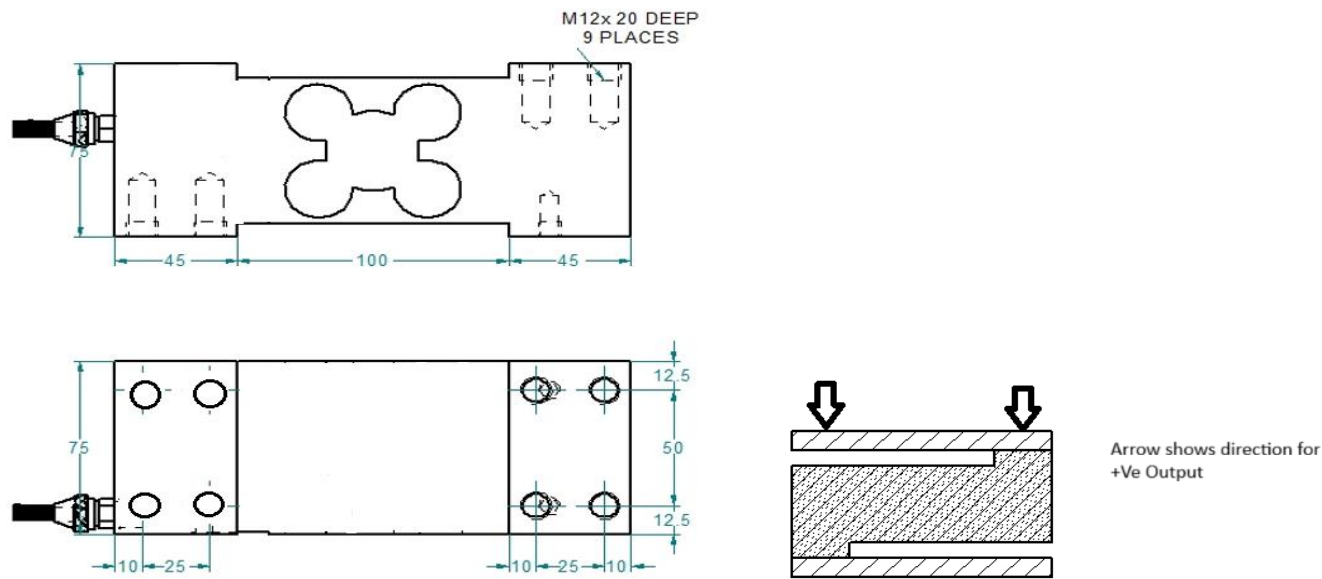
Can be **customized** to suit customer's need

Technical Specifications

STANDARD CAPACITY(KGF)		500, 750, 1000, 1500, 2000, 3000
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 $\pm$ 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	1000 mm X 1000 mm
	Finish Product	Electro less Nickel Plated Tool Steel
	Tightening Torque	7.5 m. kg.
	As per IS/IEC 60529:2001	IP 67
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	< 0.02% of FSO at 1/3 rated load placed within 500mm radius from center of load cell

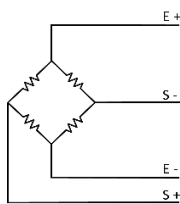


Dimensions (mm)



CAPACITY(KGF)	CABLE
500, 750, 1000, 1500, 2000, 3000	5 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	