60510

SINGLE POINT TABLE TOP LOAD CELL

Description

60510 is a strain gauge based low profile bending beam load cell for platform size 400 X 400 mm and is ideal for bench, counting, Floor, Postal and Retails Scales. It is designed for low eccentric load sensitivity. It is constructed from Anodized Aluminium Alloy.

Applications

- Check Weighers
- Bagging Machines
- Bench, Counting & Postal Scales

Key Features

Single Point Capability with Minimum Off-center Error.

Moisture Proof Sealing for Harsh Environment

Complete Environmental Protection – Meets IP 65 class

Anodized Aluminum Alloy constructions

Wide range of capacities from 1.5 KGF to 120 KGF.

Calibration in mV/V/Ω

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

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Technical Specifications

STANDARD CAPACITY		**1.5, 3, 5, 10, 15, 20, 30, 50, 100, 120 -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	420 ± 15.0 Ω (Ohms)
	Output Resistance	350 ± 5.0 Ω (Ohms)
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)
STRUCTURE	Safe Overload Of Rated Capacity	150%
	Ultimate Overload of Rated Capacity	200%
	Allowable Side Load	50%
	Deflection	< 0.5 mm at FSO
	Platter Size	400 mm X 400 mm
	Finish Product	Anodized Aluminum Alloy
	Tightening Torque	2 m. kg.
	As per IS/IEC 60529:2001	Meets IP 65
TEMP.	Operating Temperature	0ºC to 60ºC
	Compensated Temperature	10ºC to 50ºC
	Temperature Effect on Output	< 0.0015 % FSO/ ºC
	Temperature Effect on Zero	< 0.0020 % FSO/ ºC
	Eccentric Load Effect	< 0.02 % of Output when 1/3 rated load placed at the edge of the specified size platter

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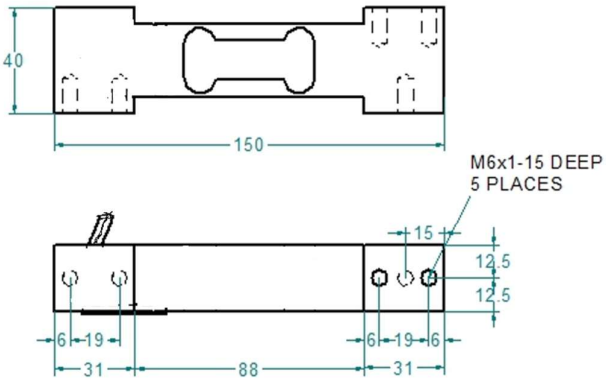
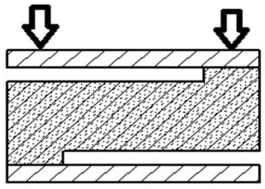
Dimensions (mm)

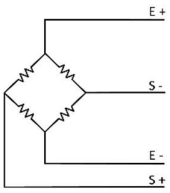




Arrow shows direction for +Ve Output

CAPACITY-KGF	CABLE
1.5, 3, 5, 10, 15, 20, 30, 50, 100, 120	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	