

Description

Model 60410/60410-SS - **CE Certified** - is a strain gage based low profile bending beam load cell and is ideal for precision platform scale applications. It is designed for low eccentric sensitivity. Its tool steel construction is very rugged to withstand shock loads. It is also provided as 60410-SS in stainless steel 17-4 ph construction for hygienic and corrosive applications.

Features

- ❖ **CE Rated** ❖ Single point capability for platform scales.
- ❖ Minimum error for off center loading.
- ❖ Supports the pan size of 750 X 750 mm.
- ❖ Low profile, compact and light weight.
- ❖ 100Kgf. To 1500Kgf. Capacities offered.
- ❖ Stain less steel construction offered for hygienic and corrosive applications.

Applications

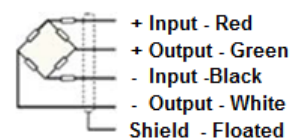
- ❖ Medium size platform scales
- ❖ Bag weighing
- ❖ Hopper weighing

Performance Specification

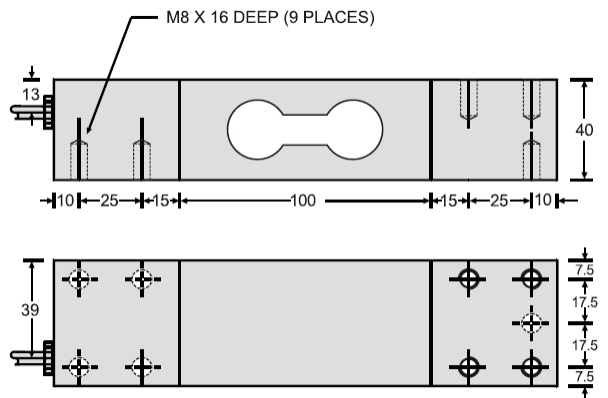
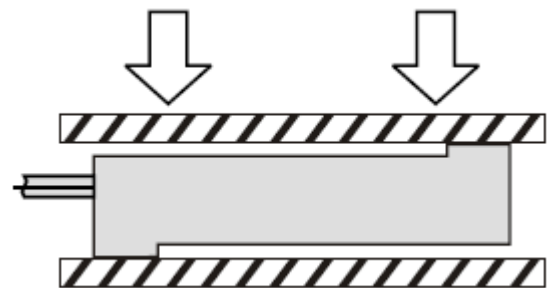
Standard Capacities(Kgf.)	100, 200, 300, 500, 750, 1000, 1500
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 mV/ V
Non - Linearity	< ±0.025% FSO (Full Scale Output)
Hysteresis	< ±0.02% FSO
Non-Repeatability	< ±0.01% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±1.0% FSO
Input Resistance	390 ± 15 Ohms
Output Resistance	350 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms at 50VDC
Cable Length (4 Core Screened)	3 Meter
Safe Overload of Rated Capacity	150% of Rated Capacity
Ultimate Overload of Rated Capacity	250% of Rated Capacity
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Platter Size	750mm x 750 mm
Eccentric Load Effect	<0.02% of FSO at 1/3 rated load placed within 375mm radius from the center of load cell
Deflection	< 0.5 mm at FSO
Tightening Torque	5 m. kg.
Finish & Construction	60410-Electro less nickel plated tool steel 60410-SS-Stain less Steel 17-4 ph
Environmental Protection Class	IP 67

Electrical Termination

Options



Compatible Instruments with Relay output, 4-20 mA or 0-2 Volt Output
 Digital Version with RS-485 interface / USB output
 Blue Tooth Telemetry / Wireless Telemetry
 Software for Graphic, Tabulation, Reporting and Analysis



TOP VIEW

ARROW SHOWS LOAD DIRECTION FOR +VE OUTPUT



Specification are subject to change.

All dimensions are in mm.



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