

model

60810

SINGLE - POINT PLATFORM LOAD CELL



FEATURES :

- ❖ Single Point Capability for Platform Scale
- ❖ Minimum Error for Off Centre Loading.
- ❖ Supports the Pan Size 1000 x 1000 (mm).
- ❖ Low Profile
- ❖ 500kgf. to 3000 Kgf. Capacities.
- ❖ Compact and Light Weight.
- ❖ Moisture Proof Sealing.

APPLICATIONS :

- ❖ Large Platform Scale.
- ❖ Steel Weighers.

DESCRIPTION :

Model 60810 is a Strain Gage based low profile bending beam Load Cell and is ideal for precision single point platform scale applications. It is designed for low eccentric load sensitivity. This supports large platform Size of 1 mtr. x 1 mtr. It is constructed from tool steel for heavy shock loads.

PERFORMANCE SPECIFICATION :

Standard Capacities (Kgf.)	: 500, 750, 1000, 1500, 2000, 3000
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 ± 5 Ohms
Insulation Resistance	: > 1000 Mega Ohms at 50 VDC
Safe Overload	: 150 % of Rated Capacity
Ultimate Overload	: 250 % of Rated Capacity
Temperature	: 0-60° C
Compensated Range	
Temperature Effect on Output	: < 0.0015 % FSO/ °C
Temperature Effect on Zero	: < 0.0020 % FSO/ °C
Platter Size	: 1000 mm x 1000 mm
Eccentric load	: < 0.02 % of FSO at 1/3 rated load placed within 500mm radius from the center of load cell.
Deflection	: < 0.5 mm at FSO
Tightening Torque	: 7.5 m. Kg.
Finish & Construction	: Electroless Nickel Plated Tool Steel
Environmental Protection class	: IP65

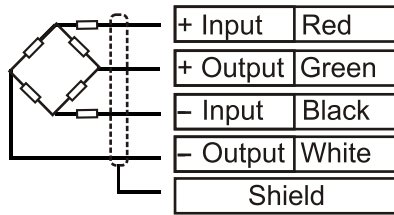


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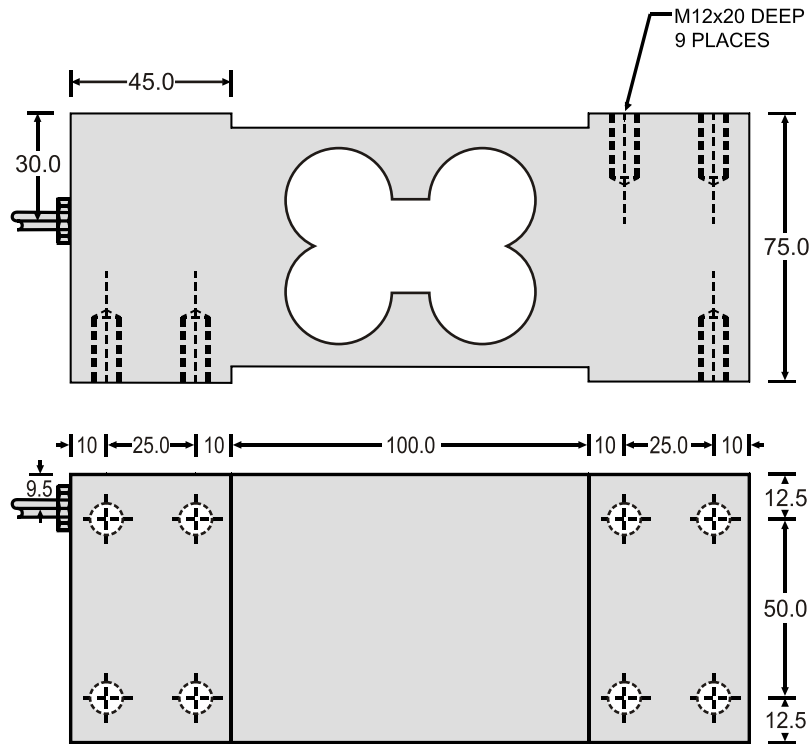
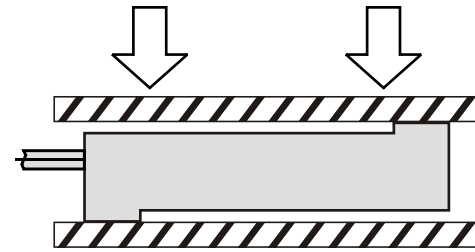
A Joint venture with
ARTECH INDUSTRIES INC., U.S.A.



ELECTRICAL TERMINATION



4 CORE SCREENED CABLE - 5 mtrs.



ARROW SHOWS LOAD DIRECTION FOR +VE OUTPUT



TOP VIEW

All dimensions are in mm.



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