

**Description**

**CE Certified** 60310-HS is **Hermitically Sealed Single Point Load Cell**. It is specially designed for small scales for fisheries and dairy applications. It is constructed from Tool Steel EN24 or Stainless Steel for protection against corrosion and shocks. It is strain gage based load cell with full temperature compensation over 10 to 50°C. It is easy to install and use. Strain Gage area is sealed by Laser Welded SS Cover for protection against ingress of moisture and water.

**Features**

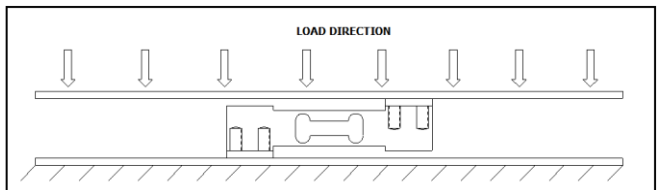
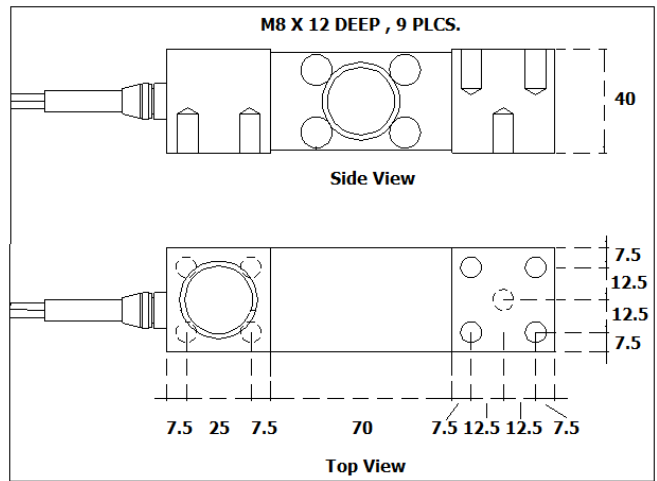
- ❖ **CE Rated** ❖ 150 , 200 , 300 , 400 , 500 , 600 Kgf. capacities are offered.
- ❖ Complete environmental protection for gage area is provided for IP-68 protection class with ss cap laser welded.
- ❖ Laser welded cap for gage area for hermetical sealing.

**Applications**

- ❖ Table top scales
- ❖ Fishries scales
- ❖ Check weigher
- ❖ Bagging machines
- ❖ Dairy , Chemical and Pharmaceutical weighing

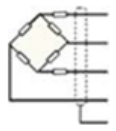
**Performance Specification**

Standard Capacities	150 , 200 , 300 , 400 , 500 , 600Kgf.
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.5 m V/ V
Non - Linearity	< ±0.05% FSO (from 5% to 100% range)
Hysteresis	< ±0.03% FSO
Non-Repeatability	< ±0.05% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±5.0% FSO
Input Resistance	390 ± 20 Ohms
Output Resistance	350 ± 10 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	3 Meters
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Eccentric Load Effect	<0.3% of FSO when 1/3 rated load is placed within 250mm radius from center of load cell. Platter size – 500mmx500mm.
Temp. Compensated Range	0-50 °C
Temperature Effect on Output	< 0.005% FSO/ °C
Temperature Effect on Zero	< 0.004% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Tool Steel Electro less Ni. Plated or Stain less Steel
Environmental Protection Class	IP 68



**Electrical Termination**

**Options**



- + Input - Red
- + Output - Green
- Input - Black
- Output - White
- Shield - Floated

- \*Compatible Instruments with Relay, 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, Analysis and Reporting

Specification are subject to change.

All dimensions are in mm.



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**TRANSDUCERS PVT. LTD.**  
 (An ISO 9001:2015 Certified Company)

917/1, G.I.D.C. Estate, Makarpura, Vadodara - 390 010, Gujarat, INDIA

**Mobile** : +91-9374068998, 9879444551, 9054467370

**Email** : sales@adiartech.com, adiartech@adiartech.com

**Website** : www.adiartech.com