

Description

60310-HS is **H**ermitically **S**ealed **S**ingle **P**oint **L**oad **C**ell. It is specially designed for small scales for fisheries and dairy applications. It is constructed from Tool Steel EN24 or Stainless Steel 17-4 ph. for protection against corrosion and shocks. It is strain gage based cell with full temperature compensation over -10 to +50°C. It is easy to install and use.

Features

- ❖ 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.

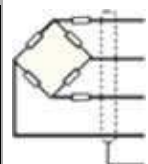
Applications

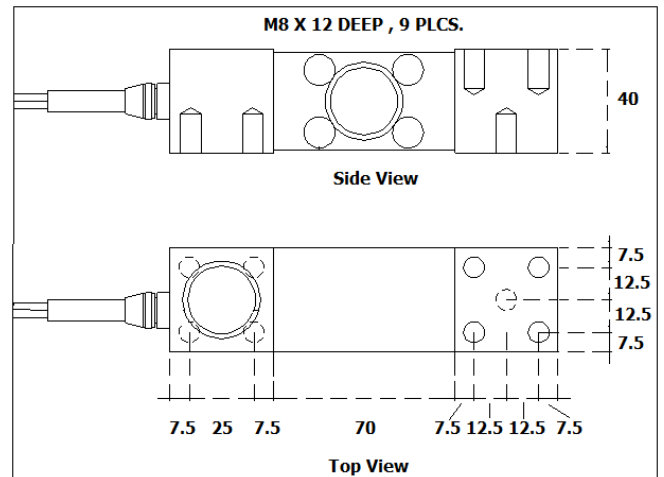
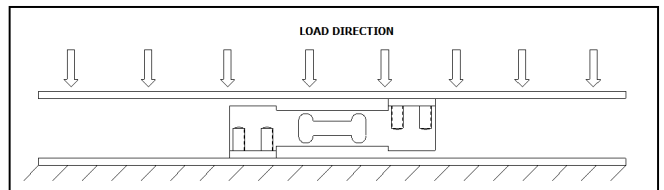
- ❖ Table top scales
- ❖ Fishries scales
- ❖ Check weigher
- ❖ Bagging machines
- ❖ Dairy , Chemical and Pharmaceutical weighing

Performance Specification

| | |
|-------------------------------------|--|
| Standard Capacities | 150 , 200 , 300 , 400 , 500 , 600Kgf. |
| Excitation Voltage | 10 VDC- Maximum 15 VDC |
| Nominal Output | 2.0 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) | 1.5 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 300mm 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 |
| Environmental Protection Class | IP 68 |

Electrical Termination

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



Specification are subject to change.

All dimensions are in mm.



Manufactured by:
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