

**Description**

30310-SS is **CE Certified** Single Ended Shear Beam Load Cell useful in Pharmacy & Food Industries, Weighing Scale, Batching, Tank Weighing, Process & Machine Automation. It is constructed from high tensile Stainless Steel for ruggedness and harsh industrial applications. It is strain gage based with full temperature compensation over 0 to 50°C range.

**Features**

- ❖ **CE Rated** ❖ 100 kgf to 10 TF. Capacities available.
- ❖ High Stainless Steel constructions for shock load.
- ❖ Laser Welded Complete Environmental Protection –Meets IP 68 class.
- ❖ Standardized output 2.0 ± 0.25% available.
- ❖ Can be customized to suit customer’s requirements.
- ❖ High Temperature version can be provided on request.

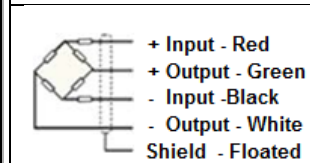
**Applications**

- ❖ Conversion of Mechanical Scale to Electronic.
- ❖ Tank, Hopper & Bag Weighing.
- ❖ Force Measurement, Tension & or Compression Dynamometer.
- ❖ Hanging & Crane Scale.
- ❖ Industrial Automation.
- ❖ Line tension measurement.
- ❖ Pharmacy & Food Process & machine automations.
- ❖ Robotics.

**Performance Specification**

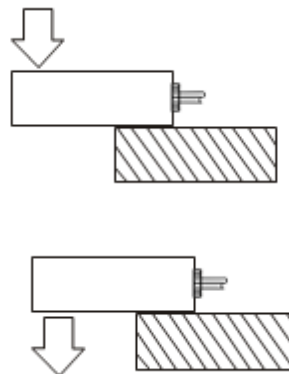
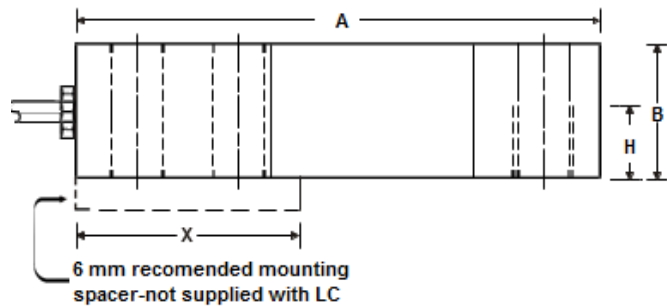
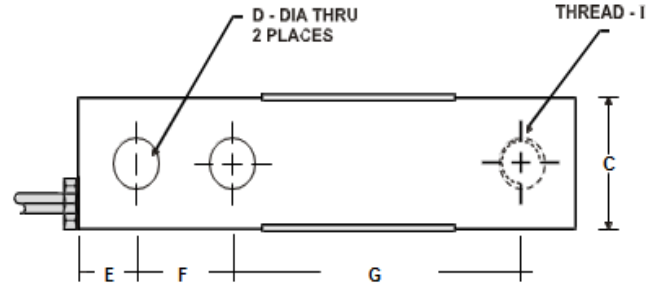
Standard Capacity	100, 200, 300, 500, 1000, 1500, 2000, 2500, 3000, 5000, 7500, 10000Kgf.
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V/ V +/- 0.5%
Non - Linearity	< ±0.05% FSO
Hysteresis	< ±0.02% FSO
Non-Repeatability	< ±0.01% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±1.50% FSO
Input Resistance	392 ± 15 Ohms
Output Resistance	350 ± 5 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	250%
Allowable Side Load	50%
Temp. Compensated Range	0-50 °C
Temperature Effect on Output	< 0.0025% FSO/ °C
Temperature Effect on Zero	< 0.0030% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Stainless Steel
Environmental Protection Class	Meets IP 68

**Electrical Termination**



**Options**

- \* Supportive Hardware such as :  
WM-I Weigh Module
- \* 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 and Reporting
- \* Customization with customers dimensions



Capacity-Kgf.	A	B	C	D	E	F	G	H	I	X	Cable
100-2500	130	32	32	13	15	25	75	15	M12X1.25	55	3Mtrs.
3000-5000	172	38	38	21	19	38	95	19	M20X1.50	76	5Mtrs.
7500-10000	223	50	50	25	25	50	120	25	M24X2.00	100	5Mtrs.

Specification are subject to change.

All dimensions are in mm.

	<p>Made in INDIA by:</p> <p><b>ADI ARTECH</b></p> <p><b>TRANSDUCERS PVT. LTD.</b></p> <p>(An ISO 9001:2015 Certified Company)</p>	<p>917/1, G.I.D.C. Estate, Makarpura, Vadodara - 390 010, Gujarat, INDIA</p> <p><b>Mobile</b> : +91-9374068998, 9879444551, 9054467370</p> <p><b>Email</b> : sales@adiartech.com, adiartech@adiartech.com</p> <p><b>Website</b> : www.adiartech.com</p>
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