

ASB-331

SHEAR BEAM LOAD CELL



DESCRIPTION :

ASB-331 is a high accuracy, low profile single ended shear beam load cell suitable for Tank & Hopper Weighing.

APPLICATIONS :

- Industrial Automation
- Tank, Hopper & Silo Weighing
- Floor & Pallet Scales

KEY FEATURES :

- Wide capacity range from 100 Kgf to 10 tonf
- Alloy Tool Steel construction
- Available in Stainless steel optionally

SPECIFICATIONS :

Rated capacity (Kgf.)	:	50, 100, 200, 300, 500, 750
(Tonf)	:	1, 1.5, 2, 2.5, 3, 5, 7.5, 10
Excitation Voltage	:	10VDC-Maximum 15 VDC
Rated Output	:	3.0 mV/V
Non – Linearity	:	< ± 0.025 % FSO (Full scale Output)
Hysteresis	:	< ± 0.02 % FSO
Non-Repeatability	:	< ± 0.01 % FSO
Creep error (30 minutes)	:	< ± 0.03 % FSO
Zero Load Output	:	± 1.0 % FSO
Input Resistance	:	390 ± 15 Ohms
Output Resistance	:	350 ± 5 Ohms
Insulation Resistance	:	> 1000 Mega Ohms
Side Load Allowed	:	50 % of Rated Capacity
Safe Overload	:	150 % of Rated Capacity
Ultimate Overload	:	250 % of Rated Capacity
Temperature	:	0 to 60° C
Compensated Range	:	
Temperature Effect on Output	:	< 0.0015 % FSO/° C
Temperature Effect on Zero	:	< 0.002 % FSO/° C
Deflection	:	< 0.5 mm at FSO
Tightening Torque	:	Refer Table.
Finish & Construction	:	Electroless Nickel Plated Tool Steel. Stainless Steel available optionally.
Environment Protection	:	IP 67 compatible



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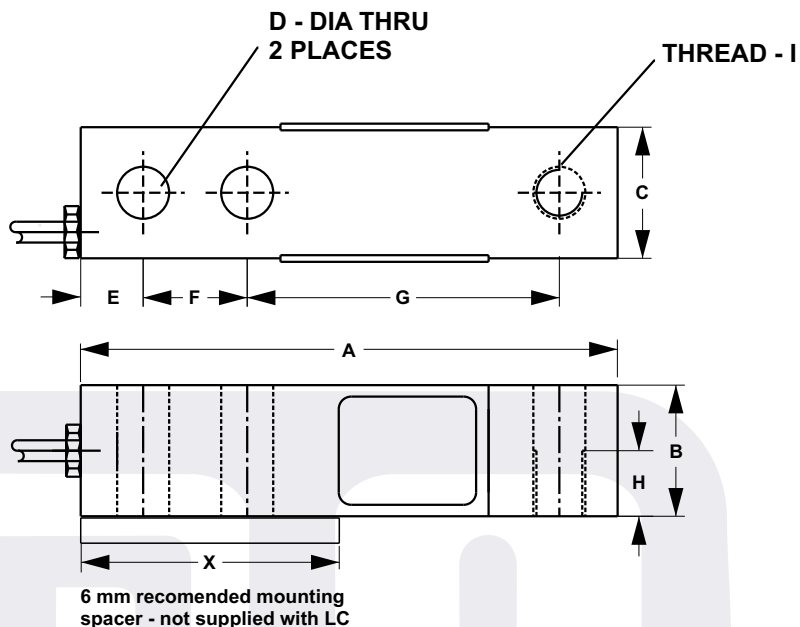
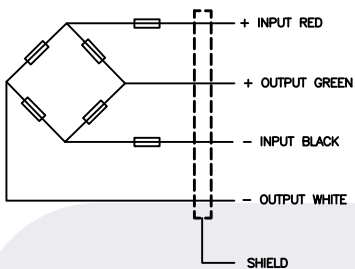
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BEHIND SAHYOG HOTEL
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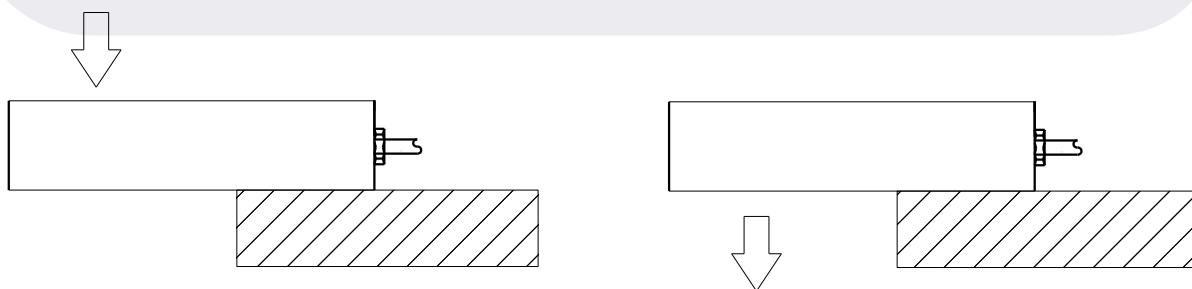
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Electrical Termination



Loading Direction



CAPACITY	A	B	C	D	E	F	G	H	THREAD I	X	TORQUE Kg-m	CABLE
50Kgf to 2Tf	130	32	32	13	15	25	75	15	M12 X 1.25	55	2.5	3 Mtrs.
3 Tf, 5 Tf	172	38	38	21	19	38	95	19	M20 X 1.50	76	5	5 Mtrs.
7.5Tf, 10Tf	223	50	50	25	25	50	120	25	M24 X 2.00	100	10	5 Mtrs.



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