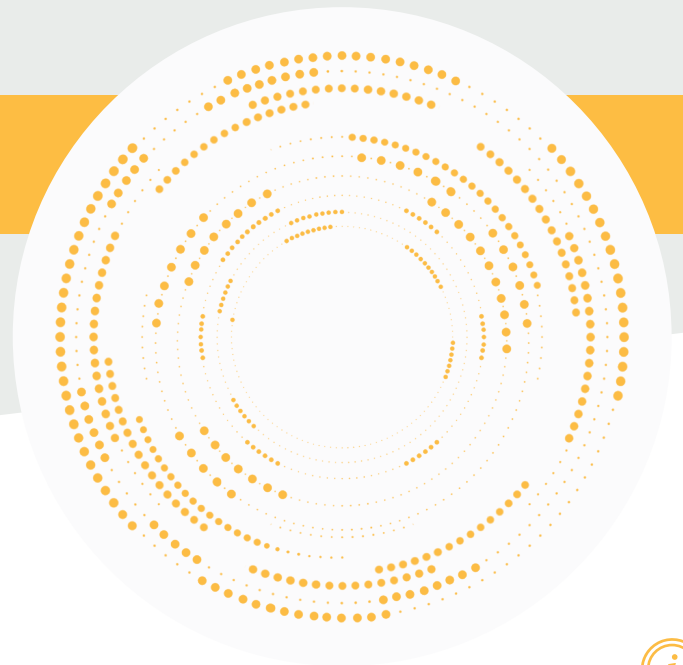


LS2 Shear Beam Type Load Cell



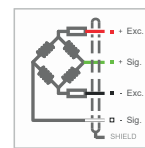
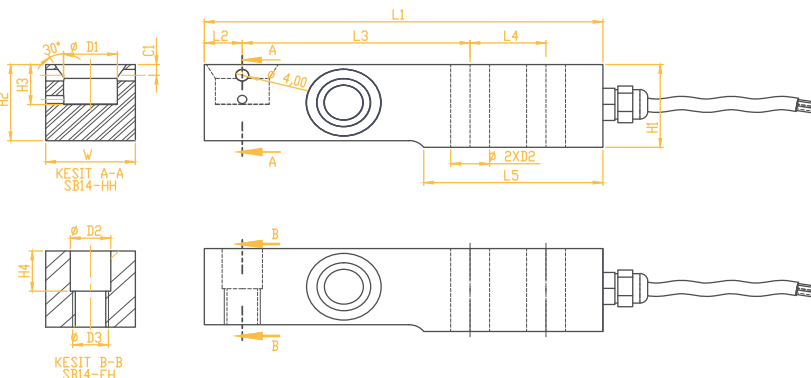
Product Description

The LS2 Shear Beam Type Stainless Steel Load Cell, with its robust design and exceptional durability, can be reliably used in a wide range of applications. Made from stainless steel, this load cell is perfectly suited for harsh environments such as the food, chemical, and process industries. Additionally, it is fully sealed using laser welding technology, achieving an IP68 waterproof rating, ensuring reliable performance in humid and challenging work conditions over extended periods.

Technical Specifications

Capacity	0.1, 0.2, 0.5, 1, 2, 5 Ton	Insulation Resistance	≤ 5000 MΩ (100 VDC)
Accuracy Class	C3	Compensated Operating Temperature	-10 ~ +40 °C
Min. Load	0 kg	Operating Temperature	-30 ~ +70 °C
Max. Division Count (nLC)	3000	Recommended Excitation Voltage	10 VDC
Min. Measuring Range (Y=Emax / Vmin)	12000	Max. Excitation Voltage (Umax)	15 VDC
Total Error	±0.020 %FS	Overload Capacity	150 % FS
Output Gain (FS)	2.00 ± 0.005mV / V	Breaking Load	300 % FS
Zero Balance	±1 %FS	Protection Class	IP 68
Input Resistance	380 Ω ± 20 Ω	Material	Stainless Steel
Output Resistance	350 Ω ± 3 Ω	Cable	4x022mm ²

Technical Dimensions and Drawings



Application Areas

- Platform Scales
- Tank and Silo Weighing
- Food and Packaging Machines

CAPACITY	L1	L2	L3	L4	L5	H1	H2	H3	H4	C1	W	D1	D2	D3	Cable
100, 200, 500 Kg	133.4	12.7	76.2	25.4	59.9	31	30.5	15	15	4	30	18	13.5	M12	3,5 M
1 Ton	133.4	12.7	76.2	25.4	59.9	31	30.5	15	15	4	30	18	13.5	M12	3,5 M
2 Ton	133.4	12.7	76.2	25.4	59.9	31	30.5	15	15	4	30	18	13.5	M12	3,5 M
5 Ton	177.8	19.1	95.3	38.1	92.7	43.6	38.1	20.5	20	8	43	25	21.5	M18X1.5	5 M



LPTSENS
Load Cell and Industrial Weighing Systems