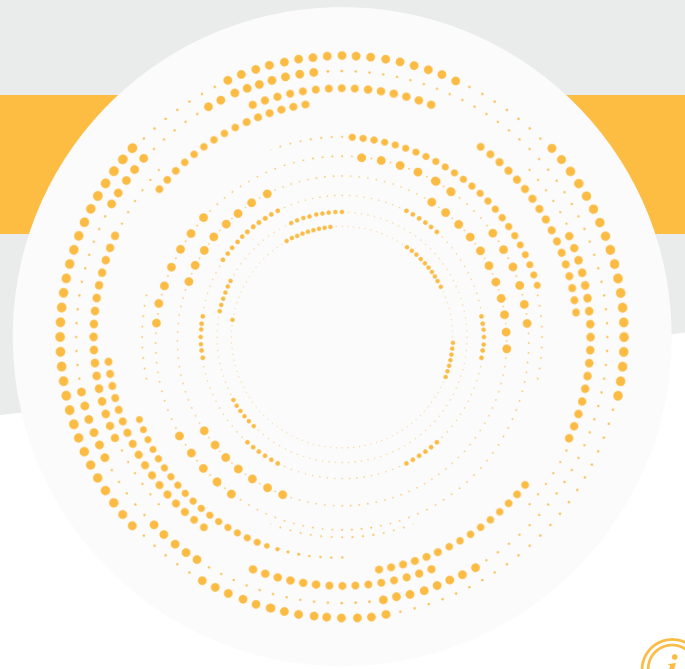


# LSB | Shear Beam Type Load Cell



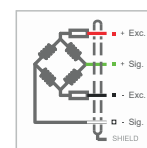
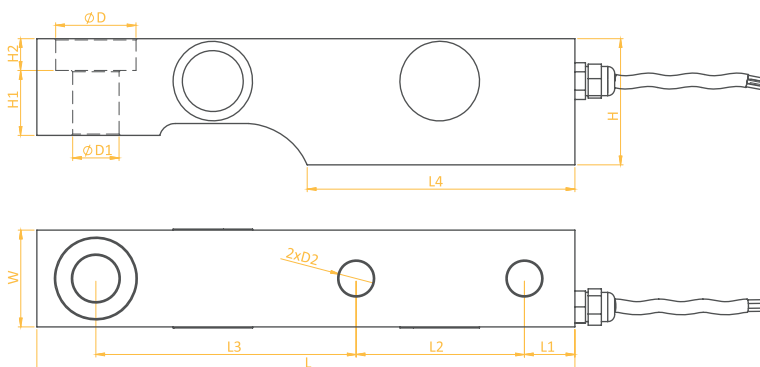
## Product Description

The LSB 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	1, 2, 5, 10 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)	10000	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	Alloy Steel / Stainless Steel
Output Resistance	350 Ω ± 3 Ω	Cable	4x0.22mm <sup>2</sup>

## Technical Dimensions and Drawings



### Application Areas

Platform Scales  
Tank and Silo Weighing  
Food and Packaging Machines

Capacity	L	L1	L2	L3	L4	W	H	H1	H2	D	D1	D2	Cable
0.5 – 1 – 2 Ton	203	19	63.5	98.2	101	36.5	47.6	24.5	12	30.3	17.5	13	3,5 m.
5 Ton	236	21.1	66.8	123.8	113	48	69.8	31.7	16	42	26	22	3,5 m.
10 Ton	282	28.1	82.6	139.7	149.5	58	77	40.3	20.7	51.1	31.8	27	6 m.



**LPTSENS**  
Load Cell and Industrial Weighing Systems