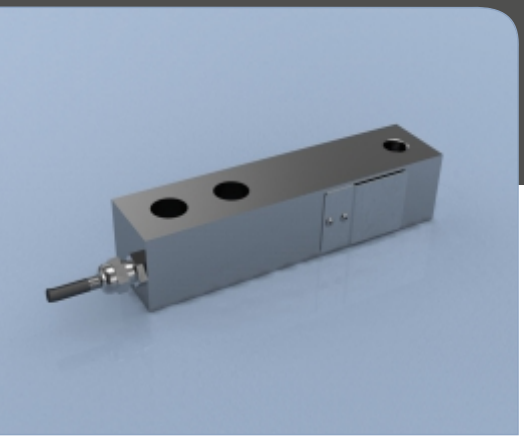
TYPE: SBL-2



SBL-2 Alloy Steel Shear Beam Load Cell

Features

- Ranges: 250, 500, 1000, 2000kg
- Alloy steel nickel plated construction
- Environmentally sealed to IP67
- Can be supplied with vessel mounting assembly, shock mounts or platform foot mounting assembly

Typical Applications

- Vessel weighing
- Floor scales
- Rolling roads
- MOT brake testers
- Pallet truck weighing
- Tank & silo weighing

Description

The SBL-2 series of shear beam load cells have been specifically designed for use in a wide range of weighing applications, including vessel weighing, floor scales and pallet trucks. There are a number of mounting accessories available to make installation easier and to ensure that the best system accuracy is maintained.

The SBL-2 offers high accuracy and superior immunity to shock or side loading. The nickel plating and full environmental sealing assures long term reliability.

The SBL-2 series can be supplied on its own or combined with our extensive range of instrumentation to provide a complete system.

Specification

Rated load (kgs)	250, 500, 1000, 2000	
Proof load	150% of rated load	
Ultimate breaking load	>300% of rated load	
Output	2 mV/V at rated load (±0.1%)	
Accuracy	<±0.02% of rated load	
Non-Repeatability	<±0.01% of rated load	
Excitation voltage	10vdc recommended, 15vdc maximum	
Bridge resistance	350Ω	
Insulation resistance	>2000MΩ @ 100vdc	
Operating temperature range	-20 to +70°C	
Compensated temperature range	-10 to +40°C	
Zero temperature coefficient	<±0.002%	
Span temperature coefficient	<±0.001%	
Environmental protection level	IP67	
Connection type	6 wire PUR screened cable 3m long, via cable gland	
Wiring connections	+supply: Red	-supply: Black
	+signal: Green	-signal: White
	+sense: Blue	+sense: Brown

Available Options

- Vessel mounting assembly
- Shock mounting assembly
- Platform foot mounting assembly
- Stainless steel versions
- TEDS option (when used with TR150 handheld display)

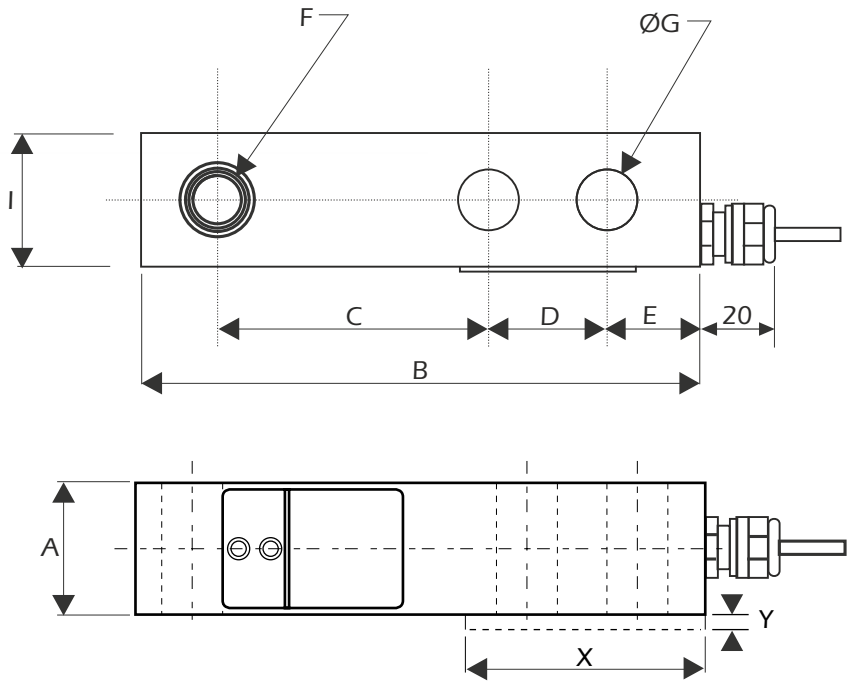
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LCM SYSTEMS
Solutions in Load Cell Technology

SBL-2 Alloy Steel Shear Beam Load Cell



Dimensions



All dimensions are in mm

Rating (kgs)	A	B	C	D	E	F	ØG	I	X	Y	Weight (kg)	Resolution (kg)
250	30.5	130	76.2	25.4	16	M12 X 1.75 or core bored Ø13.5 x 14.5 deep	13.5	30.5	57	4	1	0.02
500	30.5	130	76.2	25.4	16	M12 X 1.75 or core bored Ø13.5 x 14.5 deep	13.5	30.5	57	4	1	0.05
1000	30.5	130	76.2	25.4	16	M12 X 1.75 or core bored Ø13.5 x 14.5 deep	13.5	30.5	57	4	1	0.1
2000	36	130	76.2	25.4	16	M12 X 1.75 or core bored Ø13.5 x 14.5 deep	13.5	30.5	57	4	1.1	0.2

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Due to continual product development, LCM Systems Ltd reserves the right to alter product specifications without prior notice.

Issue No. 1
Issue date: 05/12/2014
APPROVED
(unapproved if printed)