



LCBB Bending Beam Load Cell Stainless Welded bending Beam



GENERAL FEATURES

- Stainless steel.
- welded sealed to IP68
- Capacities 5kg to 500kg
- Standard sizes compatible with many other manufactures
- Easy installation

APPLICATIONS

- Pharmaceutical industry
- Hoppers, silos, tanks
- Process weighing applications
- Food production
- Chemical industry
- Agricultural applications

... Azure Signature Series!

The LCBB is a low cost high accuracy stainless steel bending beam load cell. It's fully welded and has a protection rating of IP68.

Ideal for harsh environments and high wash down areas, LCBB is widely used in food and marine industries. Common installations include belt weighing as well as weighing and packaging machines.

Precision tested, it's available in nine capacities from 5kg - 500kg and includes 3m of cable.



Specifications

Signal Output at Capacity.....	2±1% mV/V	Service Load.....	100% Capacity
Linearity Error.....	< 0.017% (0.05%*)FSO	Safe Load.....	150% Capacity
Non-Repeatability.....	< 0.010% FSO	Ultimate Load.....	300% Capacity
Combined Error.....	< 0.020% (0.05%*)FSO	Input Resistance.....	445Ω ± 65Ω
Creep/(30 mins.).....	< 0.020% (0.07%*)FSO	Output Resistance.....	350Ω ± 3.5Ω
Zero Balance.....	< 1 % Capacity	Insulation Resistance.....	> 5000 MΩ (@50 VDC)
Temperature Effect on Span(/10C).....	< 0.014% (0.05%*)FSO	Excitation Voltage(Rec).....	5~12 V AC/DC
Temperature Effect on Zero(/10C).....	< 0.017% (0.07%*)FSO	Excitation Voltage(Max.).....	18 V DC
Operating Temperature Range.....	-35 ~ +65 C	Cable.....	3m Dia. 5.0 mm
Storage Temperature Range.....	-50 ~ +85 C	Material.....	17-4PH Stainless Steel
Compensated Temperature Range.....	-10 ~ +40 C	Protection.....	IP68

NOTE: Specifications marked (*) apply to the 5kg and 10kg capacities

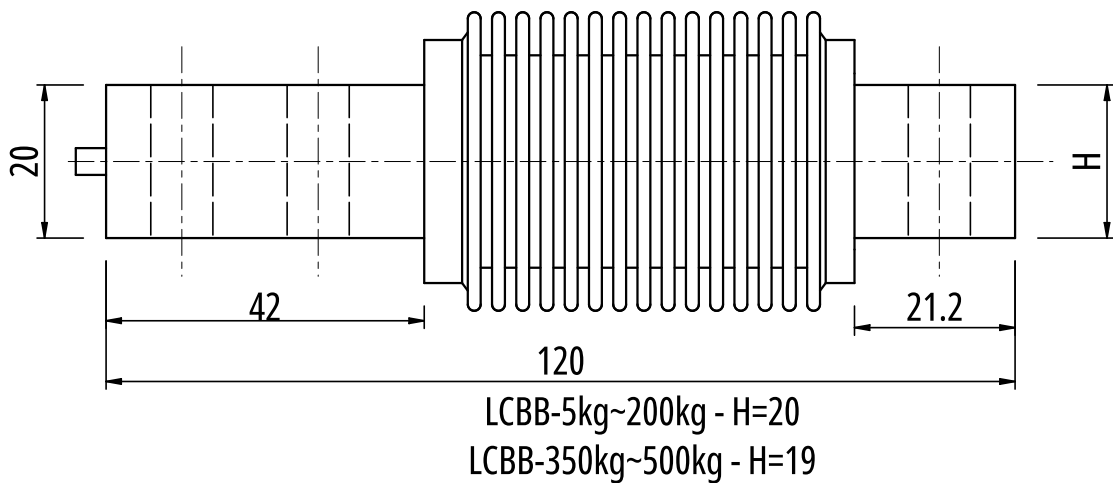
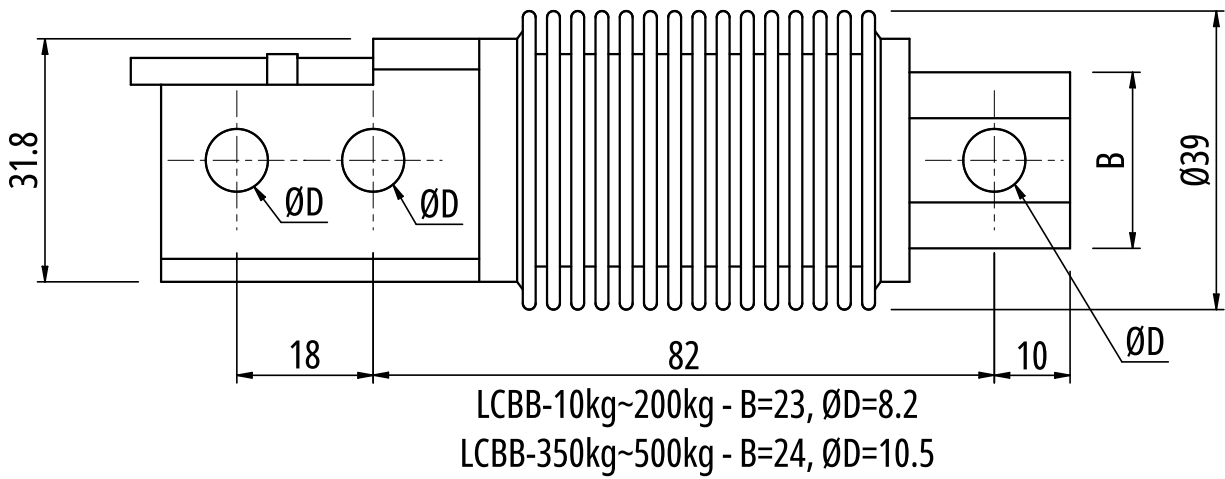
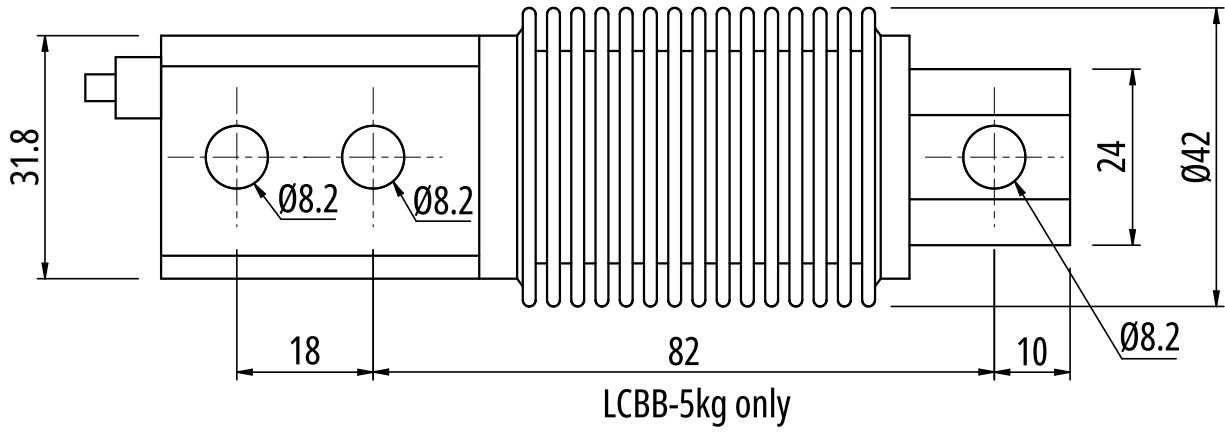
Excitation +ve.....GREEN
Signal +ve.....WHITE

Excitation -ve.....BLACK
Signal -ve.....RED

- FSO, at Full Scale Output; Cap., at Capacity.
- Construction is stainless steel welded sealed to IP68.
- Note that the cable exit differs on the 5kg capacity.



DIMENSIONS



Ordering Codes and weights (kg).

Capacity	Order	Weight	Capacity	Order	Weight
5kg	LBB0005S000XXX	0.9	100kg	LBB0100S000XXX	0.9
10kg	LBB0010S000XXX	0.9	200kg	LBB0200S000XXX	0.9
20kg	LBB0020S000XXX	0.9	350kg	LBB0350S000XXX	0.9
30kg	LBB0030S000XXX	0.9	500kg	LBB0500S000XXX	0.9
50kg	LBB0050S000XXX	0.9			