

Model OBBS Series

Bending Beam Load Cell (10Kg ~ 500Kg)

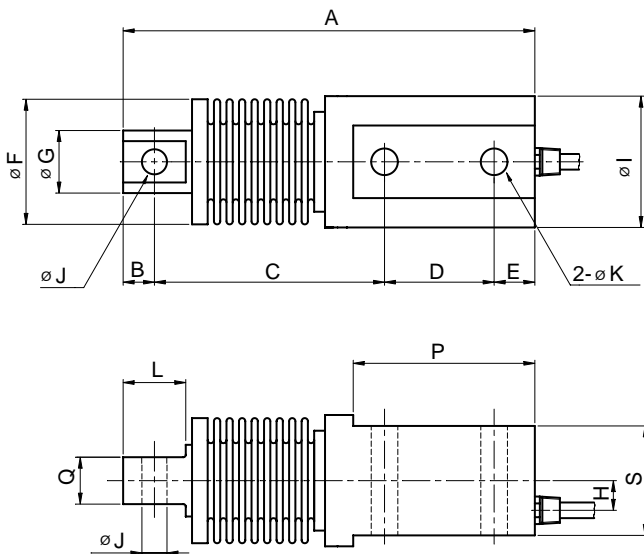


The OBBS series single ended bending beam load cell is designed for tension or compression loading applications including bench scale and conveyor weighing.

- 17-4PH stainless steel construction for high accuracy and corrosion resistance.
- Fully welded seal with stainless steel bellows for hostile environments and washdown applications.

SPECIFICATIONS

MODEL	OBBS
Rated capacity (R.C.)	10, 20, 50, 100, 200, 500kg
Rated output(R.O.)	2mV/V \pm 0.2%
Non-linearity	\leq 0.03% R.O.
Hysteresis	\leq 0.02% R.O.
Non-repeatability	\leq 0.02% R.O.
Creep error	\leq 0.03% in 20min.
Zero balance	\leq 1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	\leq 0.02% LOAD/10°C
Temp. effect on zero balance	\leq 0.02% R.O./10°C
Terminal input resistance	400 Ohms \pm 20 Ohms
Terminal output resistance	350 Ohms \pm 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	10V(Recommended) /15V(Maximum)
Electrical connection	\varnothing 5mmx3m(22AWG x 4Core Shielded)
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C



ORDERING INFORMATION

OBBS - 50

MODEL	CAPACITY
	10, 20, 50, 100Kg
	200, 500Kg.

WIRING INFORMATION

RED	: EXC. (+)	WHITE	: EXC. (-)
GREEN	: SIG. (+)	BLUE	: SIG. (-)
BARE	: GND		

Dimension-mm

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	P	Q	S	Weight (kg)
10~100kg(98.1N~980.7N)	130	10	72	35	13	39	20	10.5	42	8.5	8.5	20	58	15	35	0.9
200~500kg(1.96KN~4.90KN)	200	20	120	45	15	50	29	14	52	12	14	40	80	25	40	1.9

* Specifications are subject to change without notice

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