

## Model OBBS Series

Bending Beam Load Cell (10Kgf ~ 500Kgf)

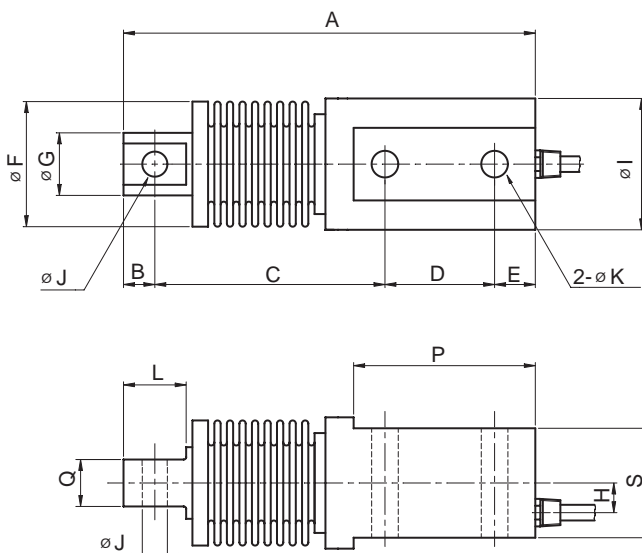


The OBBS series single ended bending beam load cell is designed for tension or compression loading applications including bench scale and conveyor weighing.

- 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, 500kgf
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, 100Kgf
	200, 500Kgf.

### 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)
10~100kgf(98.1N~980.7N)	130	10	72	35	13	39	20	10.5	42	8.5	8.5	20	58	15	35	0.9
200~500kgf(1.96KN~4.90KN)	200	20	120	45	15	50	29	14	52	12	14	40	80	25	40	1.9