

## Model OBBS Series

Bending Beam Load Cell (20kg ~ 500kg)

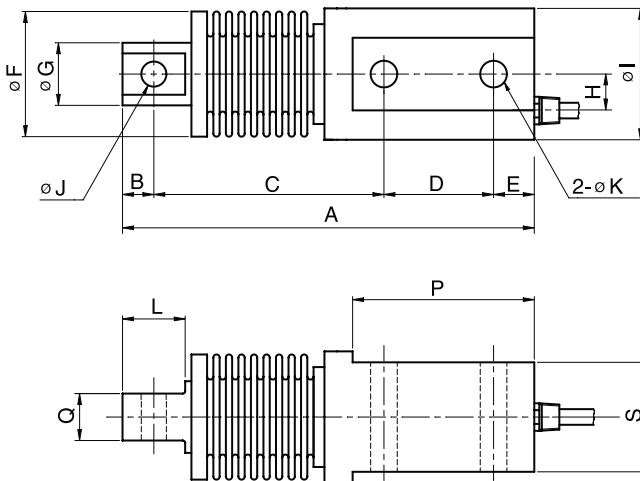


The OBBS series single ended bending beam load cell is designed for tension or compression loading applications including bench scale and conveyor weighing.

- 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

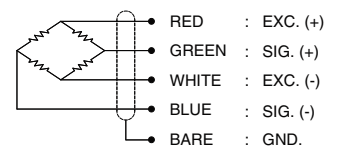
MODEL	OBBS
Rated capacity (R.C.)	20, 50, 100, 200, 500kg
Rated output(R.O.)	2.0mV/V ± 0.2%
Non-linearity	≤0.03% R.O.
Hysteresis	≤0.02% R.O.
Non-repeatability	≤0.02% R.O.
Creep error	≤0.03% in 20min.
Zero balance	≤1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	≤0.02% LOAD/10°C
Temp. effect on zero balance	≤0.02% R.O./10°C
Terminal input resistance	400 Ohms ± 20 Ohms
Terminal output resistance	350 Ohms ± 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	10V(Recommended), 15V(Max.)
Electrical connection	∅5mmx3m(22AWG x 4Core Shielded)
Protection class	meets IP 68
Safe overload	150% R.C
Ultimate overload	300% R.C



### ORDERING INFORMATION

<b>OBBS - 50</b>	
MODEL OBBS	CAPACITY 20, 50, 100, 200, 500kg

### WIRING INFORMATION



### Dimension-mm

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	P	Q	S	Weight(kg)
20~100kg(196.1N~980.7N)	130	10	72	35	13	39	20	10.5	42	8.5	8.5	20	58	15	35	0.9
200~500kg(1.961kN~4.904kN)	200	20	120	45	15	50	29	14	52	12	14	40	80	25	40	1.9

\* Specifications are subject to change without notice

JAN, 2010