Model OSBK Series

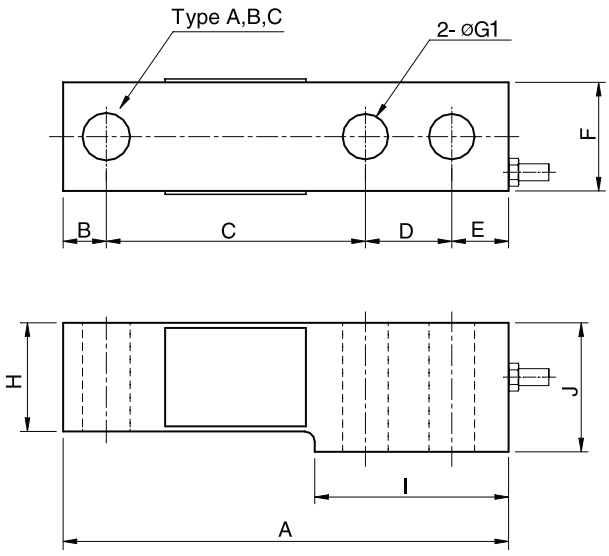
Shear Beam Load Cell (200kg ~10ton)

The OSBK series single ended shear beam load cell is designed for high accuracy platform scales and a variety of process weighing applications.

-Alloy tool steel construction for high accuracy.
-Electroless nickel plated for corrosion resistance.
-Fully sealded to IP67.

SPECIFICATIONS

MODEL		OSBKA, OSBKB, OSBKC
Rated capacity (R.C.)		200, 500kg, 1, 2, 3, 5, 10 t
Rated output(R.O.)		3mV/V ± 0.25%
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		≤0.03% LOAD/10°C
Temp. effect on zero balance		≤0.03% 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.)
Electrial connection	200kg ~ 2t	Ø5mmx3m(Standard), 6m(Option)
(22AWG x 4Core Shielded)	3, 5t(10t)	Ø5mmx6m(Ø7mmx6m)
Protection class		meets IP 67
Safe overload		150% R.C
Ultimate overload		300% R.C

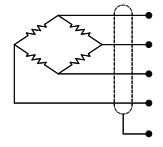


ORDERING INFORMATION

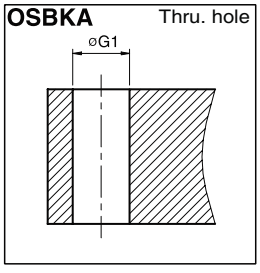
OSBKA - 5T

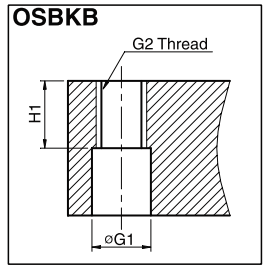
- OSBKA: MODEL
  - OSBKA
  - OSBKB
  - OSBKC
- 5T: CAPACITY

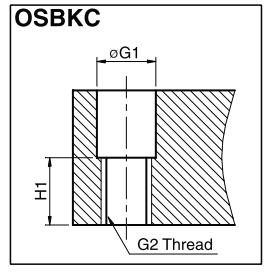
WIRING INFORMATION



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







Dimension-mm

Capacity	A	B	C	D	E	F	G1	G2	H	H1	I	J	Weight(kg)
200kg ~ 2t (1.961~19.61kN)	131	12.7	76.2	25.4	16.7	32	13.5	M12x1.75P	32	16	57	38	0.8
3, 5t (29.42, 49.03kN)	171.5	19	95.3	38.1	19.1	38.1	20.5	M20x2.5P	38	19	76.2	44.5	1.8
10t (98.07kN)	222.3	25.4	120.7	50.8	25.4	50.8	26.2	M24x2P	50.8	25	108	57.2	4.1

* Specifications are subject to change without notice

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