

Model OSW Series

Shear Beam Load Cell (1t ~ 10t)

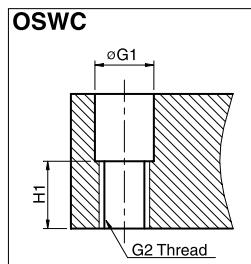
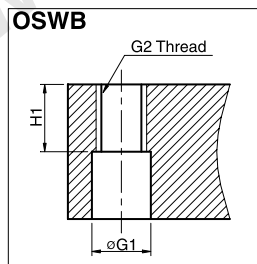
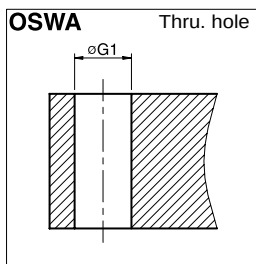
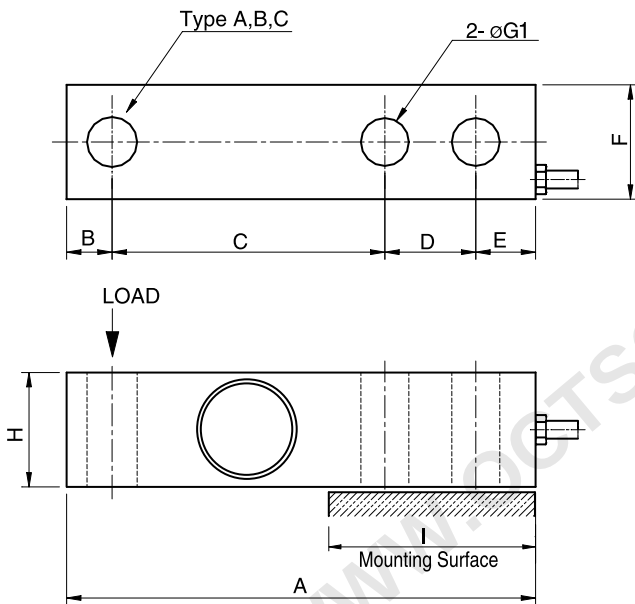


The OSW series single ended shear beam load cell is designed for high accuracy platform scales and a variety of process weighing applications.

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

SPECIFICATIONS

MODEL	OSWA, OSWB, OSWC
Rated capacity (R.C.)	1, 2, 3, 5, 10 t 2, 4, 5, 10, 20 klbs
Rated output(R.O.)	2mV/V $\pm$ 0.25%
Non-linearity	$\leq$ 0.03% R.O.
Hysteresis	$\leq$ 0.03% 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	$\leq$ 0.03% LOAD/10°C
Temp. effect on zero balance	$\leq$ 0.03% 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(Max.)
Electrical connection	200kg ~ 2t ϕ 5mmx3m(Standard), 6m(Option) (22AWG x 4Core Shielded) 3t ~ 10t ϕ 5mmx6m
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C

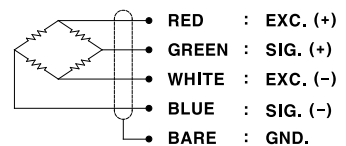


ORDERING INFORMATION

OSWA - 5T

MODEL	CAPACITY
OSWA	1, 2, 3, 5, 10 t
OSWB	2, 4, 5, 10, 20 klbs
OSWC	

WIRING INFORMATION



Dimension-mm(inch)

Capacity	A	B	C	D	E	F	G1	G2	H	H1	I	Weight
1 ~ 2t (9.807~19.61kN)	131	12.7	76.2	25.4	16.7	31.8	13.5	M12x1.75P	32	16	57	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	1.8
10t (98.07kN)	222.3	25.4	120.7	50.8	25.4	50.8	26.2	M24x2P	50.8	25	108	4.1
2k~4k lbs (8.897~17.79kN)	(5.15)	(0.50)	(3.00)	(1.00)	(0.65)	(1.25)	(0.53)	1/2" -20 UNF	(1.25)	(0.62)	(2.24)	(1.7)
5k, 10k lbs (22.24~44.48kN)	(6.75)	(0.75)	(3.75)	(1.50)	(0.75)	(1.50)	(0.78)	3/4" -16 UNF	(1.50)	(0.74)	(3.0)	(4.0)
20k lbs (88.97kN)	(8.75)	(1.00)	(4.75)	(2.00)	(1.00)	(2.00)	(1.02)	1" -14 UNF	(2.00)	(0.98)	(4.25)	(9.0)

* Specifications are subject to change without notice

DEC, 2005