

Model OBU Series

Single point
Bending Beam Load Cell
(1kg ~ 250kg)

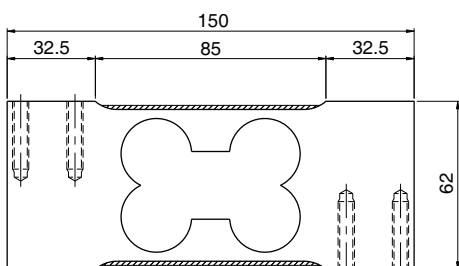
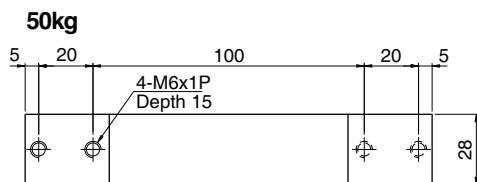
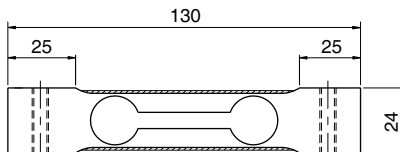
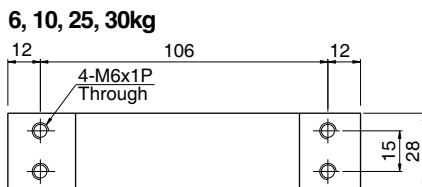
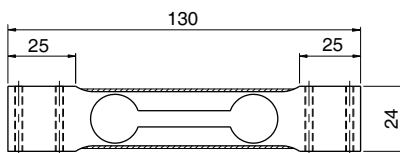
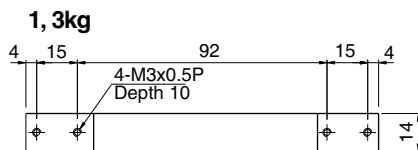
The OBU series single point load cell is designed for low profile scales and automatic check weighing systems where great accuracy, reliability and fast measurement are required.



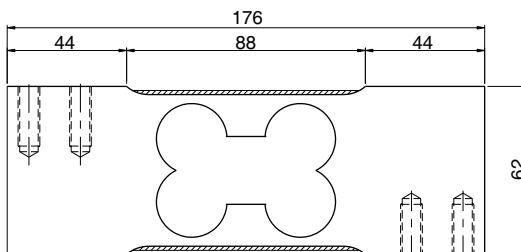
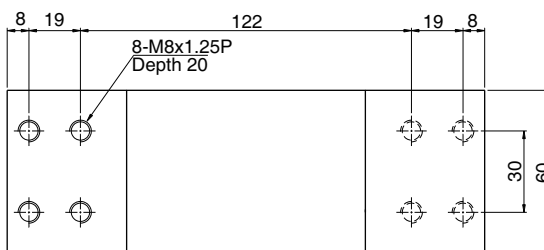
SPECIFICATIONS

MODEL	OBU	
Rated capacity (R.C.)	1, 3 kg	6, 10, 25, 30, 50, 52, 100, 150, 250kg
Rated output(R.O.)	1mV/V± 10%	2mV/V ± 10%
Non-linearity	≤0.02% R.O.	
Hysteresis	≤0.02% R.O.	
Non-repeatability	≤0.02% R.O.	
Creep error	≤0.03% in 20min.	
Zero balance	≤5% R.O.	
Compensated temperature range	-10 ~ 70°C	
Operating temperature range	-20 ~ 80°C	
Temp. effect on rated output	≤0.012% LOAD/10°C	
Temp. effect on zero balance	≤0.03% R.O./10°C	
Terminal input resistance	420 Ohms ±20 Ohms	
Terminal output resistance	350 Ohms ±5 Ohms	
Insulation resistance (Min.)	2000 MOhms at 50V DC	
Excitation Voltage	3~12V(Recommended) / 15V(Maximun)	
Electrical connection	1~30 kg	Ø4mmx1.5m(22AWG x 4Core Shielded)
	50~250kg	Ø5mmx1.5m(22AWG x 4Core Shielded)
Protection class	meets IP 65	
Safe overload	150% R.C	
Ultimate overload	300% R.C	

Capacity	Allowable Maximum Platform Size
1, 3 kg (9.807, 29.42N)	200 x 200 mm
6 ~ 30 kg (58.84 ~ 294.2N)	300 x 300 mm
50 kg (490.3N)	400 x 500 mm
52 ~ 250 kg (510.0 ~ 2452N)	400 x 600 mm



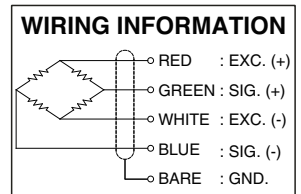
52, 100, 150, 250kg



ORDERING INFORMATION

OBU - 100

MODEL OBU	CAPACITY 1, 3, 6, 10, 25, 30, 50, 52, 100, 150, 250 kg
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* Specifications are subject to change without notice

APR, 2018