

## Model OBU Series

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

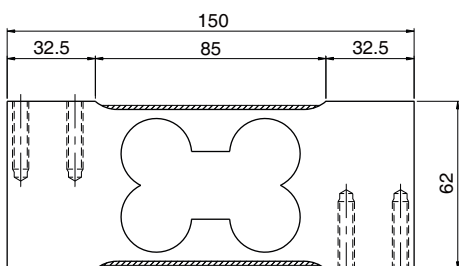
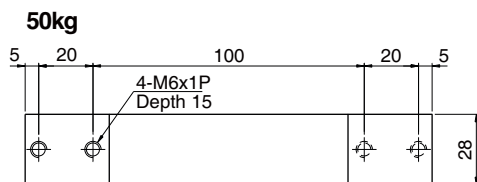
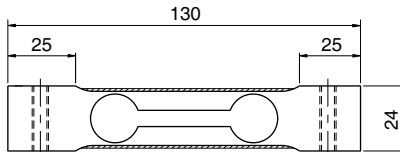
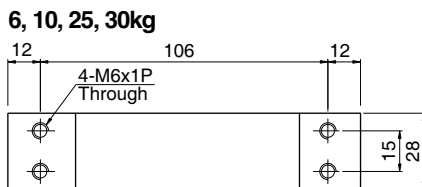
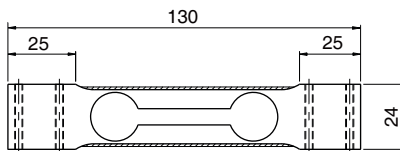
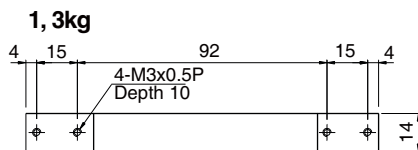
The OBU series single point load cell is designed for low profile scales and automatic check weighing systems where great accuracy, reliability and fast measurement are required.



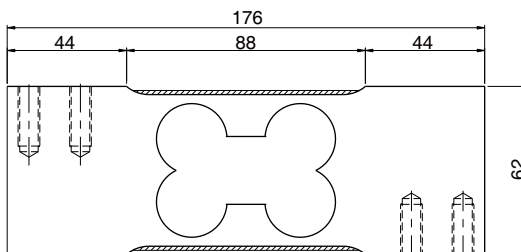
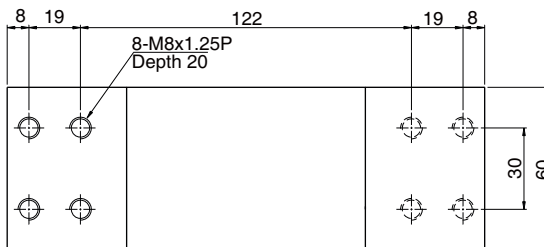
### SPECIFICATIONS

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)	
Electrial 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



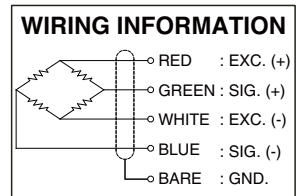
**52, 100, 150, 250kg**



**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