

# Model OBU Series

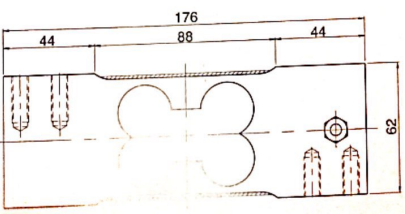
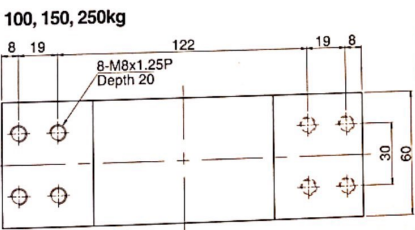
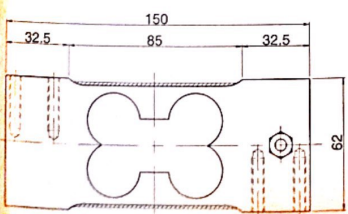
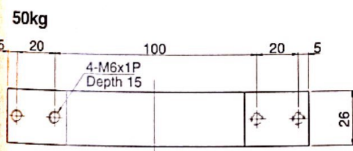
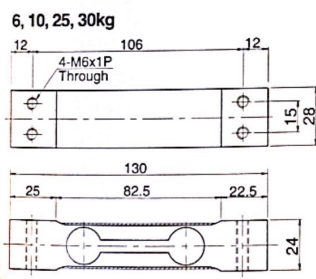
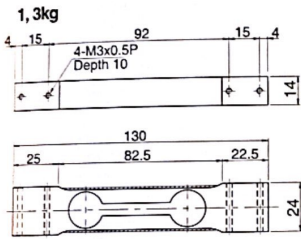
Single point  
Bending Beam Load Cell  
(1kg ~ 250kg)

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, 50kg	100, 150, 250kg
Rated output(R.O.)	1mV/V± 10%	2mV/V ± 10%	2.2mV/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	≤ 0.04% R.O./10°C		
Terminal input resistance	415 Ohms ±10 Ohms		
Terminal output resistance	350 Ohms ±5 Ohms		
Insulation resistance (Min.)	2000 MOhms at 50V DC		
Excitation Voltage	10V(Recommended) /15V(Maximum)		
Electrical connection	1 ~30 kg	ø3mmx1.5m(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 (98.1 ~ 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
100 ~ 250 kg (980.7 ~ 2452N)	400 x 600 mm

**ORDERING INFORMATION**

**OBU - 100**

- MODEL OBU
- CAPACITY: 1, 3, 6, 10, 25, 30, 50, 100, 150, 250 kg

**WIRING INFORMATION**

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