

Model OBU Series

Single point

Bending Beam Load Cell

(1Kgf ~250Kgf)

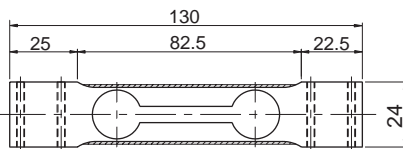
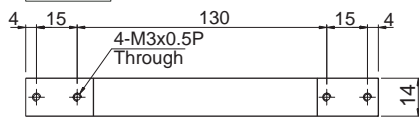
The OBU series single point load cell is designed for low profile scales and automatic check weighing systems where great accuracy, reliability and fast measurement are required. All OBU load cell exceed the requirements of Handbook 44 for 3000d and meet OIML recommendations for 3000d



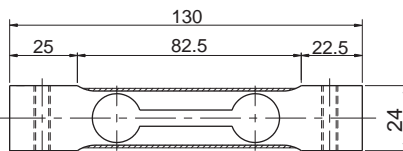
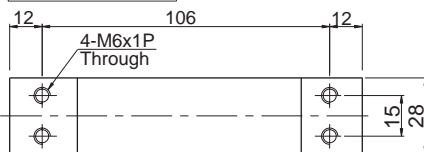
SPECIFICATIONS

MODEL	OBU		
Rated capacity (R.C.)	1, 3 kgf	6, 10, 25, 30, 50kgf	100, 150, 250kgf
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(Maximun)		
Electrial connection	1 ~30 Kgf	ø3mmx1.5m(22AWG x 4Core Shielded)	
	50~250Kgf	ø5mmx1.5m(22AWG x 4Core Shielded)	
Protection class	meets IP 67		
Safe overload	150% R.C		
Ultimate overload	300% R.C		

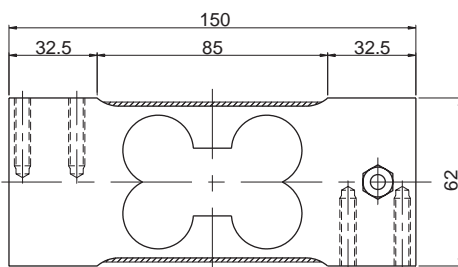
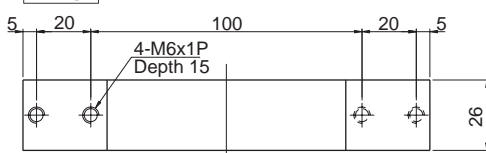
1, 3Kgf



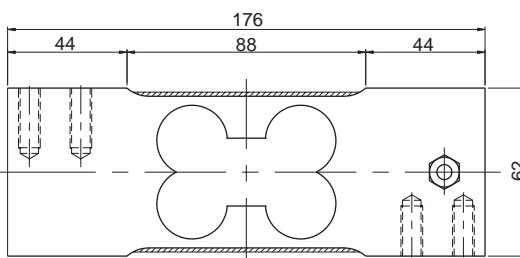
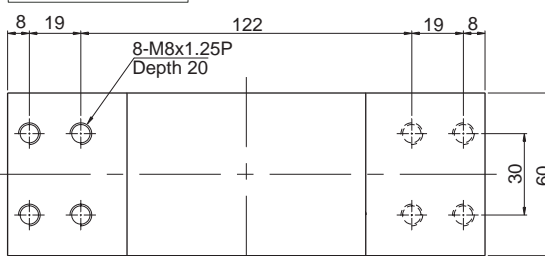
6, 10, 25, 30Kgf



50Kgf



100, 150, 250Kgf



ORDERING INFORMATION

OBU 100
 MODEL CAPACITY
 1, 3, 6, 10,
 25, 30, 50,
 100, 150,
 200 Kgf

WIRING INFORMATION

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

Capacity	Allowable Maximum Platform Size
1~ 3 Kgf (98.1 ~29.42N)	200 x 200 mm
6~ 30 Kgf (58.84 ~294.2N)	300 x 300 mm
50 Kgf (490.3N)	400 x 500 mm
100~ 250 Kgf (980.7 ~2452N)	400 x 600 mm