



Series SPBBCK800

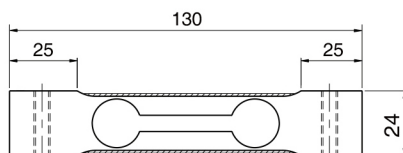
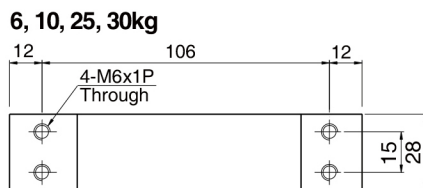
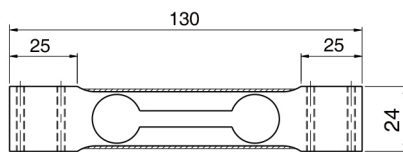
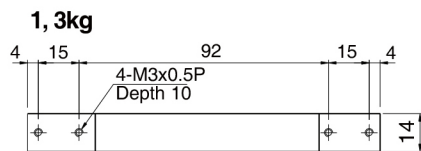
Single point
Bending Beam Load Cell
(1kg ~ 250kg)

The SPBBCK800 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

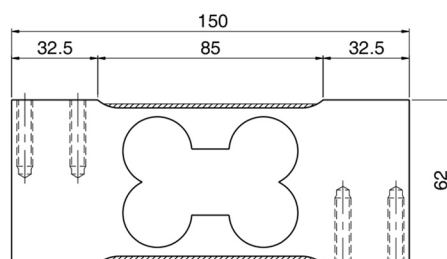
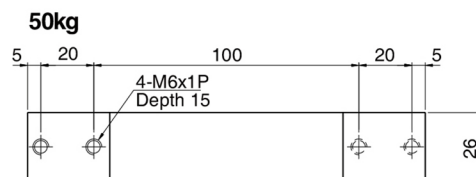
TYPE	SPBBCK800
Rated capacity (R.C.)	1, 3 kg 6, 10, 25, 30, 50, 52, 100, 150, 250kg
Rated output(R.O.)	1.0mV/V $\pm$ 10% 2.0mV/V $\pm$ 10%
Non-linearity	$\leq$ 0.02% R.O.
Hysteresis	$\leq$ 0.02% R.O.
Non-repeatability	$\leq$ 0.02% R.O.
Creep error	$\leq$ 0.03% in 20min.
Zero balance	$\leq$ 5% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	$\leq$ 0.012% LOAD/10°C
Temp. effect on zero balance	$\leq$ 0.03% R.O./10°C
Terminal input resistance	420 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(Maximun)
Electrial connection	1~30 kg $\varnothing$ 4mmx1.5m(22AWG x 4Core Shielded) 50~250kg $\varnothing$ 5mmx1.5m(22AWG x 4Core Shielded)
Protection class	meets IP 65
Safe overload	150% R.C
Ultimate overload	300% R.C



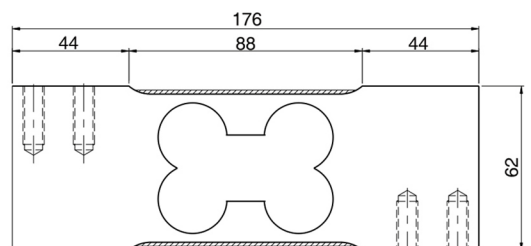
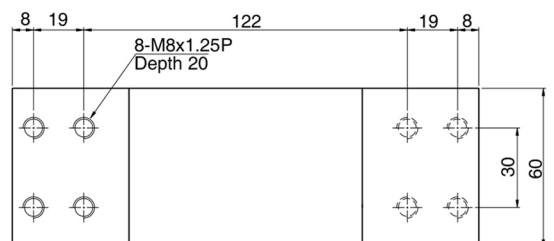
Capacity	Allowable Maximum Platform Size
1, 3 kg (9.807, 29.42N)	200 x 200 mm
6 ~ 30 kg (58.84 ~ 294.2N)	300 x 300 mm
50 kg (490.3N)	400 x 500 mm
52 ~ 250 kg (510.0 ~ 2452N)	400 x 600 mm

ORDERING INFORMATION	
SPBBCK800 - 100	
TYPE SPBBCK800	CAPACITY 1, 3, 6, 10, 25, 30, 50, 52, 100, 150, 250 kg

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



52, 100, 150, 250kg



* Specifications are subject to change without notice