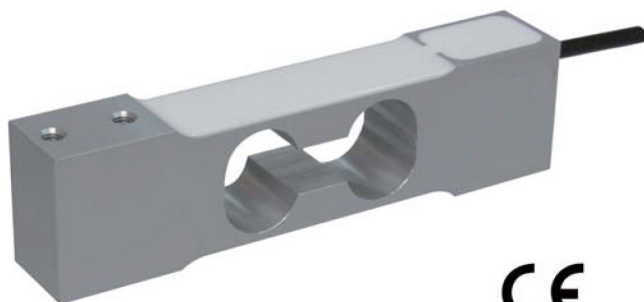




Series SPBBCK5/SPBBCK5S

Single Point
Bending Beam Load Cell
(5kg ~ 100kg)

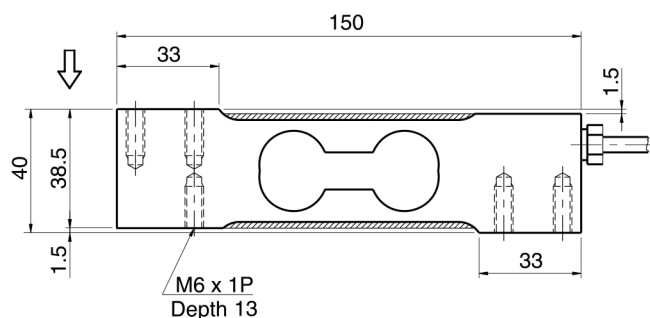
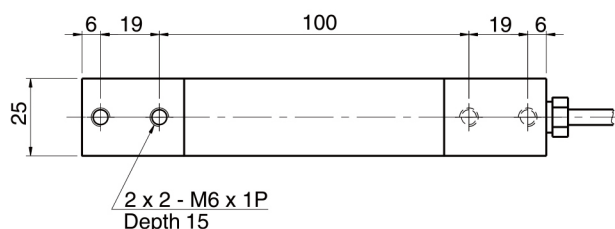
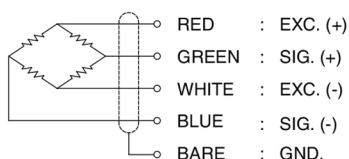


ORDERING INFORMATION

SPBBCK5 - 30

TYPE CAPACITY
SPBBCK5 : Aluminum alloy 5, 7, 10, 15, 30, 50, 100kg
SPBBCK5S: Stainless steel 15, 30, 50, 100kg

WIRING INFORMATION



The SPBBCK5(S) 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.

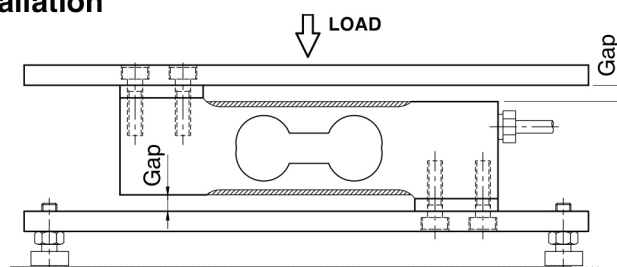
- SPBBCK5 : Aluminum alloy
- SPBBCK5S : Stainless steel

SPECIFICATIONS

TYPE	SPBBCK5	SPBBCK5S
Rated capacity (R.C.)	5, 7, 10, 15, 30, 50, 100kg	15, 30, 50, 100kg
Rated output(R.O.)	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 ~ 40°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	410 Ohms $\pm$ 25 Ohms	
Terminal output resistance	350 Ohms $\pm$ 5 Ohms	
Insulation resistance (Min.)	2000 MOhms at 50V DC	
Excitation voltage	10V(Recommended), 15V(Max.)	
Electrical connection	$\phi 5\text{mm} \times 1.5\text{m}$ (22AWG x 4Core Shielded)	
Protection class	meets IP 65	
Safe overload	150% R.C	
Ultimate overload	300% R.C	

Capacity(kg)	Allowable Platform Size
5 ~ 30kg (49.03 ~ 294.2N)	300 x 300 mm
50, 100kg (490.3, 980.7N)	400 x 400 mm

Installation



* Specifications are subject to change without notice