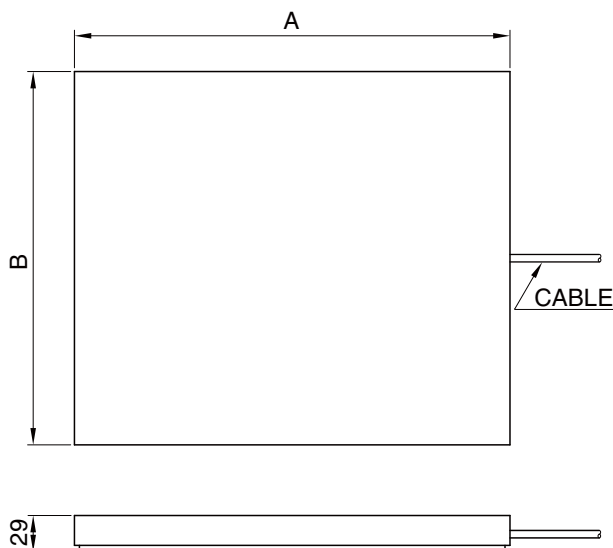


# Model PSA Series

Ultra thin Load Cell for  
Slim Platform Scale (50kg ~ 300kg)



## For:

- Gas cylinder weighing
- Industrial weighing applications, especially low profile required

## Features

- Low profile (29mm)
- Rugged stainless steel cover plate
- 200mm x 200mm to 350mm x 350mm platform sizes.

## SPECIFICATIONS

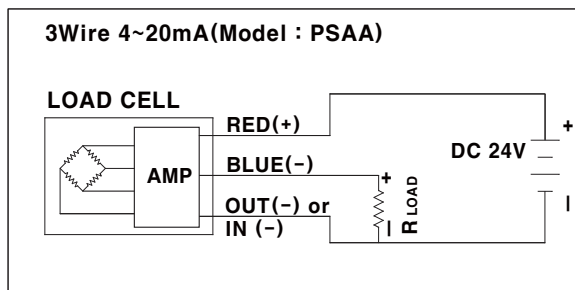
MODEL	PSA	PSAA
Rated capacity (R.C.)	50, 100, 200, 300kg	
Rated output(R.O.)	2.0mV/V ± 5%	4 ~ 20mA
Non-linearity	≤0.1% R.O.	
Hysteresis	≤0.1% R.O.	
Non-repeatability	≤0.1% R.O.	
Creep error	≤0.05% in 20min.	
Zero balance	≤5% R.O.	
Compensated temperature range	-10 ~ 70°C	
Operating temperature range	-20 ~ 80°C	
Temp. effect on rated output	≤0.03% LOAD/10°C	
Temp. effect on zero balance	≤0.03% R.O./10°C	
Terminal input resistance	840 Ohms ± 15 Ohms	
output resistance	700 Ohms ± 15 Ohms	
Insulation resistance (Min.)	1000 MOhms at 50V DC	
Recommended excitation	3~12V(Recommended), 15V(Max.)	
Electrical connection	∅6mmx5m(22AWG x 4Core Shielded)	
Platform Cover	Stainless steel	
Safe overload	150% R.C	

## ORDERING INFORMATION

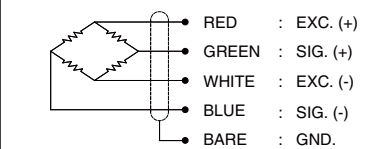
### PSA 25 - 200

MODEL	SIZE	CAPACITY
PSA (mV Output)	20(200x200)	50, 100, 200
PSAA(mA Output)	25(250x250)	300kg
	30(300x300)	
	35(350x350)	

## 3Wire 4~20mA(Model : PSAA)



## WIRING INFORMATION



## Dimensions-mm

Rated Capacity	SIZE ( A x B )	Weight (kg)
50kg (0.49kN)	20 ( 200mm x 200mm )	1.0
100kg (0.98kN)	25 ( 250mm x 250mm )	1.56
200kg (1.96kN)	30 ( 300mm x 300mm )	2.25
300kg (2.94kN)	35 ( 350mm x 350mm )	3.06

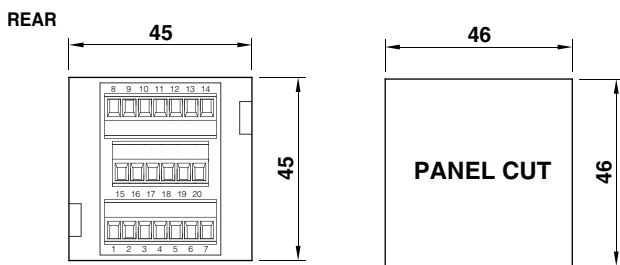
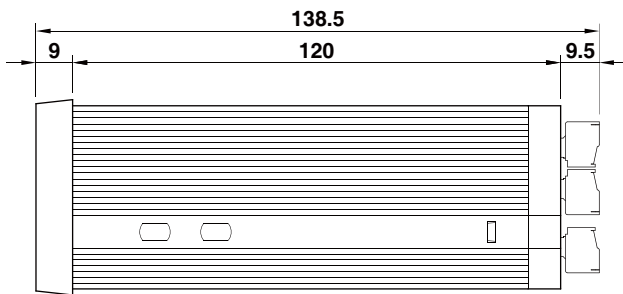
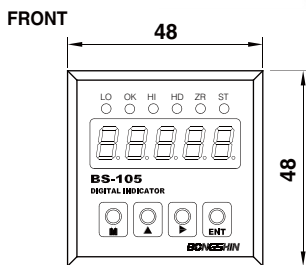
\* Specifications are subject to change without notice

APR, 2018

# Model BS-105 Series

48x48mm Size

High Precision Digital Indicator



## ORDERING INFORMATION

**BS - 105 - 0**

MODEL

Output

- 0 : Relay 3CH output (Standard)
- 1 : RS-232C Serial output (Option)
- 2 : RS-422 Serial output (Option)
- 3 : RS-485 Serial output (Option)
- 4 : DC 0 ~ 10V Analog output (Option)
- 5 : DC 4~ 20mA Analog output (Option)

For:

- Industrial weighing applications
- Force, pressure & torque measurements

Features:

- 24 Bit Sigma-Delta A/D converter for high accuracy
- 3 Set point relay output
- Full digital calibration
- Simulative(mV/V memory) or live load calibration
- Hold, peak hold and auto zero
- Optional serial output or analog output
- Watch - dog guard

## SPECIFICATIONS

Analog signal input range	0mV ~ ±30mV
Non-linearity	0.01% F.S. max.
Max. display resolution	99,999d
Min. input sensitivity	0.3μV/Digit (min.)
Temperature drift	Zero : ±0.1μV/°C RTI max. SPAN : 10ppm/°C max.
Load cell excitation	DC 5V, 60mA (350 ohm x 4 load cells)
Input noise	±0.3μVpp
Input impedance	10MΩ
A/D converter	24bit sigma-delta
A/D internal resolution	Approx. 1,000,000
A/D sampling speed	50 times/sec
Display range	-19,999 ~ 99,999
Display	LED, 7 segments 8.0mm high 5 digit
Display speed	50times/sec ~ 1times/sec
Polarity indication (-)	"-" Minus sign
Annunciators	HOLD, ZERO, STABLE Relay point(LO, OK, HI)
Display increments	1,2,5,10, 20, 50, 100, 200 selectable
Decimal points	Selectable to any points
Operating voltage	DC 24V (DC 20~27V)
Power consumption	Approx. 10VA
Operating temperature	-10°C ~ 50°C
Output	Standard Relay 3CH output Options 1) RS-232C (Serial output) 2) RS-422 (Serial output) 3) RS-485 (Serial output) 4) DC 0 ~ 10V (Analog output) 5) DC 4~ 20mA (Analog output)
Weight	Approx. 170g