



# BPS Series Standard Pressure Gauge with Contact

## Features

- Design dial 4" (100 mm) and 6" (150 mm)
- Accuracy Class 1.6 or Class 2.0
- Standard Snap-action electric contacts
- Option with 1 or 2 magnetic contacts
- Pressure range -1..0, 0..1 up to 600 bar
- Over pressure up to 30% of Full Scale
- OEM application



## Application

BPS Series is a premium design pressure gauge with contact, commonly used with electric device, such as relay. This series are designed for automatic control and signal transfer when the pressure gets to the set point value. The contact will acting to open or close the contact circuit. The BPS Series are designed with long contact life and vibration resistance application. BPS Series suitable for use in process engineering, water treatment, chemical plant, etc...

## Technical Specification

- Nominal Size  
100 and 150 mm
- Accuracy Class  
Class 1,6 of Full Scale  
Set accuracy Class 4.0
- Case Ingress Protection  
Dry gauge IP54
- Connection Size  
G $\frac{1}{2}$  or  $\frac{1}{2}$  NPT
- Scale Range  
-1..0, 0..1 bar up to 600 Bar  
Compound -1..+24 Bar
- Filling  
Dry execution
- Environment Temperature  
Ambient -10 $^{\circ}$ ..+70 $^{\circ}$ C  
Media Max. 80 $^{\circ}$ C
- Casing and Bezel Ring  
Chromed steel
- Wetted Parts  
Copper alloy
- Window  
Polycarbonate with adjuster
- Pointer  
Black painted aluminium



## Contact



- Contact type  
Snap-action electric contact
- Contact design  
2 contacts, if above setpoint  
OC - 1st contact open & 2nd close  
CO - 1st contact close & 2nd open
- Maximum working voltage  
380 VAc or 220 VAc
- Max. current  
1A
- Contact power  
30 VA
- Contact setpoint adjuster  
By turning the knob with screwdriver

## Ordering Code



BPS Dial<sup>①</sup> <Pressure range><sup>②</sup> Mounting<sup>③</sup> - Connection<sup>④</sup> - Contact<sup>⑤</sup> \*Option<sup>⑥</sup>

① Dial Size
500 100 mm
750 150 mm
③ Mounting
D Bottom / Direct connection
B Back connection
S Back conn., back flange / Surface
P Back conn., front flange / Panel
④ Connection size
G2 G $\frac{1}{2}$ "
N2 $\frac{1}{2}$ " NPT
⑤ Contact
OC 1st contact open & 2nd close above setpoint
CO 1st contact close & 2nd open above setpoint
⑥ Option
SU Special unit range
OC Other connection thread
CX Other contact function

② Dual ranges		Single range		
Bar	& Psi	Bar or kg/cm <sup>2</sup>	Psi	kPa
-1..0	-30"Hg.. 0	-1.0	-30"Hg.. 0	-100.. 0
-1..0.6	-30"Hg.. 8	-1.0.6	-30"Hg.. 10	-100.. 60
-1..1.5	-30"Hg.. 20	-1.1.5	-30"Hg.. 15	-100.. 150
-1..3	-30"Hg.. 40	-1.3	-30"Hg.. 30	-100.. 300
-1.5	-30"Hg.. 70	-1.5	-30"Hg.. 60	-100.. 500
-1.9	-30"Hg.. 130	-1.9	-30"Hg.. 150	-100.. 900
-1.15	-30"Hg.. 200	-1.15	-30"Hg.. 200	-100.. 1500
-1..24	-30"Hg.. 350	-1.24	-30"Hg.. 300	-100.. 2400
0..1	0..15	0.1	0..15	0..100
0..1.6	0.. 23	0..1.6	0.. 20	0.. 160
0..2.5	0.. 35	0..2.5	0.. 30	0.. 250
0.. 4	0.. 60	0.. 4	0.. 60	0.. 400
0..6	0.. 85	0..6		0.. 600
0..7	0.. 100	0..7	0.. 100	0.. 700
0..10	0.. 150	0..10	0.. 150	0.. 1000
0..16	0.. 230	0..16	0.. 200	0.. 1600
0..25	0.. 350	0..25	0.. 300	0.. 2500
0..40	0.. 600	0..40	0.. 600	0.. 4000
0..60	0.. 850	0..60		0.. 6000
0..70	0.. 1000	0..70	0.. 1000	0.. 7000
0..100	0.. 1500	0..100	0.. 1500	0.. 10000
0..160	0.. 2300	0..160	0.. 2000	0.. 16000
0..250	0.. 3500	0..250	0.. 3000	0.. 25000
0..400	0.. 6000	0..400	0.. 6000	0.. 40000
0..600	0.. 8500	0..600		0.. 60000