

# Standard Pressure Gauge with Crimped Bezel Model: PI1

## Applications

- General industrial applications
- Pumps and compressors
- Hydraulic and pneumatic systems
- Suitable for fluid medium which does not clog connection port or corrode copper

## Special features

- Reliable and cost-effective
- Black plastic or painted steel case
- Nominal size 40 mm, 50 mm, 63 mm, 80mm, 100 mm,
- Scale range vacuum up to 1000 bar

## Description

- |                                  |  |
|----------------------------------|--|
| ■ <b>Accuracy class</b>          | 2.5% for 40<br>1.6% for 50 to 100 mm dials;<br>1% (option) for 50 to 100 mm  |
| ■ <b>Pressure element</b>        | Brass C-type or helical type<br>Stainless steel 304 and 316 (option)   |
| ■ <b>Process connection</b>      | Brass back   |
| ■ <b>Socket &amp; connection</b> | Brass, Stainless steel 304 and 316 (option)  |
| ■ <b>Window</b>                  | Glass, Plexiglas, Acrylic, (option)  |
| ■ <b>Permissible temperature</b> | Ambient: -20 ... +60 °C<br>Medium: +60 °C  |
| ■ <b>Movement</b>                | Copper alloy   |
| ■ <b>Pointer</b>                 | Aluminium, black   |
| ■ <b>Dial</b>                    | Aluminium, white, black lettering,   |
| ■ <b>Range</b>                   | 0...10 to 0...15.000 psi;<br>0...60 to 0...100.000 kPa;<br>0...0.6 to 0...1000 bar<br>Vacuum & compound ranges<br>are available. single or double scale dials. |



- Pressure limitation**
  - Steady: 3/4 x full scale value
  - Fluctuating: 2/3 x full scale value
  - Short time: Full scale value
- Temperature error**
  - When the temperature of the measuring system deviates from the reference temperature (+20 °C):
  - max. ±0.4 %/10 K of full scale value

The PI 2 model could be ordered with chrom-plated steel case too.

## PI1 Pressure Gauges

ORDERING CODE	Example: PI1	4	B	2	S	B	AT	WA	Note
<b>Dial Size</b>									
0 - 40 mm(1½")									
1 - 50 mm(2")									
2 - 63 mm(2½")									
4 - 100mm(4")		4							
<b>Connection Type</b>									
B - Back			B						
<b>Process Connection Sizes</b>									
2 - ¼ NPT Male Dial 40 ¼ NPT Male NS 50, 63 Dial ½ NPT Ns100				2					
4 - ¼ BSP Male Dial 40 ¼ BSP Male NS 50, 63 Dial ½ BSP Ns100 to 250 mm									
6 - Customer									
<b>Case Design</b>									
S - Steel casing					S				
C - Chrome-plated steel case									
<b>Tube and Process Connection</b>									
B - Brass						B			
S - St. steel 304									
I - St. steel 316									
C-Customer									
<b>Accuracy</b>									
AT - 1.6 % (std.)							AT		
AC - 1 %									
<b>Options</b>									
SC - Single scale									
DS - Dual scales									
YW -316L Stainless steel case									
OS - Overload stop									
UB - U - Bracket for panel mounting									
GF - Glycerine filling									
SF - Safety glass									
SH - Red set hand, stationary (dry case only)									
CC - Calibration certificate									
WA - One year warranty								WA	
Other									



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