

# Standard Pressure Gauge

## With liquid filling

### Model: PI5

#### Applications

- For measuring points with high dynamic pressure loads or vibrations
- Pumps and compressors
- Hydraulic and pneumatic systems
- Suitable for gaseous or liquid media that will not obstruct the pressure system

#### Special features

- Reliable and cost-effective
- Vibration and shock resistant
- Nominal size 40 mm, 50 mm, 63 mm, 100 mm, 160 mm, 200 mm, and 250 mm
- Scale range vacuum up to 1000 bar

#### Description

- **Accuracy class** 2.5% for 40 and 50 mm dials; 1.6% for 63 to 250 mm dials; 1% (option) for 100 to 250 mm
- **Pressure element** Brass C-type or helical type  
Stainless steel 304 and 316 (option)
- **Process connection** Brass back & bottom  
NS 63: ¼ BSP, NS 100, 160: ½ BSP, NPT (option)
- **Socket & connection** Brass, Stainless steel 304 and 316 (option)
- **Window** Glass, Plexiglas, Acrylic, (option)
- **Permissible temperature** Ambient: -20 ... +60 °C  
Medium: +60 °C
- **Movement** Copper alloy
- **Pointer** Aluminium, black
- **Dial** Aluminium, white, black lettering,
- **Range** 0...10 to 0...15.000 psi;  
0...60 to 0...100.000 kPa;  
0...0.6 to 0...1000 bar  
Vacuum & compound ranges 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

## PI5 Pressure Gauges

ORDERING CODE	Example: PI5	4	T	2	L	B	AT	GF	Note
<b>Dial Size</b>									
0 - 40 mm(1 1/2")									
1 - 50 mm(2")									
2 - 63 mm(2 1/2")									
4 - 100mm(4")		4							
6 - 160mm(6")									
8 - 200mm(8")									
10 - 250mm(10")									
<b>Process Connection Type</b>									
T - Bottom			T						
B - Back									
<b>Process Connection Sizes</b>									
2 - 1/4 NPT Male Dial 40 1/4 NPT Male NS 50, 63 Dial 1/2 NPT Ns100 to 250 mm				2					
4 - 1/4 BSP Male Dial 40 1/4 BSP Male NS 50, 63 Dial 1/2 BSP Ns100 to 250 mm									
6 - Customer									
<b>Case Design</b>									
D - Dry									
L - Liquid fill					L				
<b>Tube and Process Connection Material</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									
GF - Glycerine filling								GF	
SF - Silicone filling									
SG - Safety glass									
UC - U - Clamp for flush mounting									
SH - Red set hand, stationary (dry case only)									
BF - Back flange for wall mounting									
MF - Front flange for panel mounting									
CC - Calibration certificate									
NH - Stainless steel tag wired to case									
AT - ATEX									
WA - One year warranty									
Other									



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