

## All Stainless steel Solid Front Pressure Gauge Model: PU2

### Applications

- Increased safety requirements for personal protection
- With liquid-filled case for applications with high dynamic pressure loads or vibrations
- For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive ambience
- Process industry: Chemical/petro chemical, power stations, food and beverage, offshore oil rigs, pulp and paper, environmental technology, machine building and general plant construction

### Special features

- According to NACE MR 0175 & MR 0103 standard
- Stabilizer movement
- Anti-glare & Anti-static window
- Excellent load-cycle stability and shock resistance
- All stainless steel construction
- Design EN 837-1
- Scale ranges up to 0 ... 2,500 bar

### Description

- |                           |   |
|---------------------------|---|
| ■ Accuracy class          | NS 63: 1.6 NS 100, 160: 1.0, 0.5% (option)  |
| ■ Pressure element        | Stainless steel 316L C-type or helical type<br>Hastelloy, Monel, Tantalum(option)   |
| ■ Process connection      | Stainless steel 316L bottom<br>NS 63: ¼ NPT, NS 100, 160: ½ NPT, BSP (option)   |
| ■ Socket & connection     | 316L st. steel treated to comply with NACE MR 0175&<br>MR 0103 standards  |
| ■ Blow out back           | Full baffle wall ; 304SS  |
| ■ Gasket                  | EPDM  |
| ■ Window                  | Laminated safety glass Anti-glare & Anti-static   |
| ■ Permissible temperature | Ambient: -40 ... +60 °C without liquid filling<br>-20 ... +60 °C gauges with glycerine filling<br>Medium: +200 °C maximum without liquid filling<br>+100 °C maximum with liquid filling |
| ■ Movement                | Stainless steel with stabilizer   |
| ■ Pointer                 | Aluminium, black  |
| ■ Dial                    | Aluminium, white, black lettering,  |
| ■ Protection              | Ip66  |
| ■ Range                   | 0...10 to 0...36259 psi;<br>0...60 to 0...250.000 kPa;<br>0...0.6 to 0...2,500 bar<br>Vacuum & compound ranges<br>are available. single or double scale dials.                          |



## ■ Pressure limitation

NS 63:	Steady:	3/4 x full scale value
	Fluctuating:	2/3 x full scale value
	Short time:	Full scale value
NS 100, 160:	Steady:	Full scale value
	Fluctuating:	0.9 x full scale value
	Short time:	1.3 x full scale value

## ■ Temperature error

When the temperature of the measuring system deviates from the reference temperature (+20 °C):  
max.  $\pm 0.4 \%$  / 10 K of full scale value

Socket of PU2 series is welded to its case and the socket and its measuring element are made of 316L stainless steel and treated to meet NACE MR0-175 and NACE MR 0103 , which make them resistant to hydrogen sulfide stress corrosion cracking. The design and manufacturing is according to EN873-1 standard. Having internal overpressure/ vacuum stop and dampening screw are other features of PU2 Series.

## PU2 Pressure Gauges

ORDERING CODE	Example:	PU2	4	T	2	L	S	AT	WA	Note
Dial Size										
2 - 63 mm(2½")										
4 - 100mm(4")			4							
6 - 160mm(6")										
Process Connection Type										
T - Bottom				T						
Process Connection Sizes										
2 - ¼ NPT Dial 63 Male ½ NPT Male NS100,160 Dial					2					
4 - G ¼ Male Dial 63 G ½ Male NS100,160 Dial										
6 - Customer										
Case Design										
D - Dry										
L - Liquid fill						L				
Tube and Process Connection Material										
S - 316L Stainless steel							S			
M - Monel® 400										
H - Hastelloy										
C - Customer										
Accuracy										
AT - 1% (std.)								AT		
AC - 0.5%										
Options										
SC - Single scale										
DS - Dual scales										
YW - 316L Stainless steel case										
OS - Overload stop										
GF - Glycerine filling										
QC - Low temperature silicone filling for ambient temperature down to -94°F (-70°C), including Fluorosilicone sealing										
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									WA	
Other										



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