

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 Hastelloy, Monel, Tantalum(option)
■ Process connection	Stainless steel 316L bottom NS 63: 1/4 NPT , NS 100, 160: 1/2 NPT, BSP (option)
■ Socket & connection	316L st. steel treated to comply with NACE MR 0175& 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 -20 ... +60 °C gauges with glycerine filling Medium: +200 °C maximum without liquid filling +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; 0...60 to 0...250.000 kPa; 0...0.6 to 0...2,500 bar Vacuum & compound ranges 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. ±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(2 ₁ / ₂ ')									
4 - 100mm(4")		4							
6 - 160mm(6")									
Process Connection Type									
T - Bottom			T						
Process Connection Sizes									
2 - 1/4 NPT Dial 63 Male 1/2 NPT Male NS100,160 Dial			2						
4 - G1/4 Male Dial 63 G1/2 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									



Address: 7191 Yonge street, Toronto, Canada

Tel: +16472221281(5 line)

Web: www.madecotech.com

Email: Info@madecotech.com