

Capsul Element Pressure Gauge

Model: PL1

Applications

- 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
- Gas Measurement; Burners and Leak Detectors



Special features

- According to NACE MR 0175 & MR0103 standard
- Stabilizer movement
- Anti-glare & Anti-static window
- Zero-adjustment through window
- All stainless steel construction
- Design EN 837-3
- Scale ranges up to 0 ... 600mbar



Description

- | | |
|-------------------------|---|
| ■ Accuracy class | NS 63: 1.6 NS 100, 160: 1.6% 1% (option) |
| ■ Pressure element | Brass and Stainless steel 316L Capsul type
Hastelloy, Monel, Tantalum(option) |
| ■ Process connection | Brass and Stainless steel 316L back & bottom
NS 63: ¼ NPT, NS 100, 160: ½ NPT, BSP (option) |
| ■ Socket & connection | Brass and 316L st. steel treated |
| ■ Window | Glass, Laminated safety glass Anti-glare & Anti-static |
| ■ Operating temperature | Ambient: -4°F to +140°F (-20°C to +60°C)
Medium: +212°F (+100°C) maximum |
| ■ Movement | Stainless steel Zero adjustment in front on dial |
| ■ Pointer | Aluminium, black |
| ■ Dial | Aluminium, white, black lettering, |
| ■ Protection | Weather resistant (NEMA 3 / IP54)
With case filling (NEMA 4X / IP66) |
| ■ Range | 2½" (63mm): 0...16" WC (40 mbar) to 0...250" WC (600 mbar)
4" (100mm): 0...6" WC (16 mbar) to 0...250" WC (600 mbar)
6" (160 mm): 0...1" WC (2.5 mbar) to 0...250" WC (600 mbar)
or other equivalent units of pressure or vacuum |

■ **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: 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

PL1 Capsul Pressure Gauges

ORDERING CODE	Example:	PL1	4	T	2	L	S	AT	ST	Note
Dial Size										
2 - 63 mm(2 ¹ / ₂ "										
4 - 100mm(4")			4							
6 - 160mm(6")										
Process Connection Type										
T - Bottom				T						
B - Back										
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										
B - Brass										
S - 316L Stainless steel							S			
H - Hastelloy										
C - Customer										
Accuracy										
AT - 1.6% (std.)								AT		
AC - 1%										
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										
NC - NACE MR 0175 & MR 0103 standard										
ST - Stabilizer movement									ST	
AN - Anti-glare & Anti - static window										
AT - ATEX										
WA - One year warranty										
Other										



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