

# Capsul Element Pressure Gauge

## Model: PL2

### 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<br>Hastelloy, Monel, Tantalum(option)  |
| ■ Process connection    | Brass and Stainless steel 316L back & bottom<br>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)<br>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)<br>With case filling (NEMA 4X / IP66)   |
| ■ Range                 | 2½" (63mm): 0...16" WC (40 mbar) to 0...250" WC (600 mbar)<br>4" (100mm): 0...6" WC (16 mbar) to 0...250" WC (600 mbar)<br>6" (160 mm): 0...1" WC (2.5 mbar) to 0...250" WC (600 mbar)<br>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

**PL2 Capsul Pressure Gauges**

ORDERING CODE	Example:	PL2	4	T	2	L	S	AT	ST	Note
<b>Dial Size</b>										
2 - 63 mm(2 <sup>1/2</sup> "										
4 - 100mm(4")			4							
6 - 160mm(6")										
<b>Process Connection</b>										
T - Bottom				T						
B - Back										
<b>Process Connection Sizes</b>										
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										
<b>Case Design</b>										
D - Dry										
L - Liquid fill						L				
<b>Tube and Process Connection</b>										
S - 316L Stainless steel							S			
M - Monel										
H - Hastelloy										
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										
QC - Low temperature silicone fill 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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