

Diaphragm Pressure Gauge Model: PD1

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

Special features

- According to NACE MR 0175 & MR0103 standard
- Stabilizer movement
- Anti-glare & Anti-static window
- Excellent load-cycle stability and shock resistance
- All stainless steel construction
- Design EN 837-3
- High Scale ranges up to 40 ... 600 bar Low Scale ranges up to 16 mbar ... 40 bar
- Threaded or open flange process connections

Description

Accuracy class
Pressure element

NS 63: 2.5 NS 100, 160: 1.6,1% (option)
Stainless steel 316L C-type or helical type
Hastelloy, Monel, Tantalum(option)

Process connection Stainless steel 316L bottom

NS 63: ¼ NPT , NS 100, 160: ½ NPT, BSP (option)

Socket & connection

Threaded or open flange process connections

Window Glass, Laminated safety glass Anti-glare & Anti-static

Permissible temperature Ambient: -40 ... +60 °C without liquid filling

-20 ... +60 °C gauges with glycerine filling¹⁾
Medium: +200 °C maximum without liquid filling
+100 °C maximum with liquid filling

Movement Stainless steel
Pointer Aluminium, black

Dial
 Aluminium, white, black lettering,

Protection IP6

■ Range 0...16 cmH2O to 0...250 mH2O;

0...1.6 to 0...2500 kPa; 0...16 mbar to 0...25 bar Vacuum and high range ranges are available

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



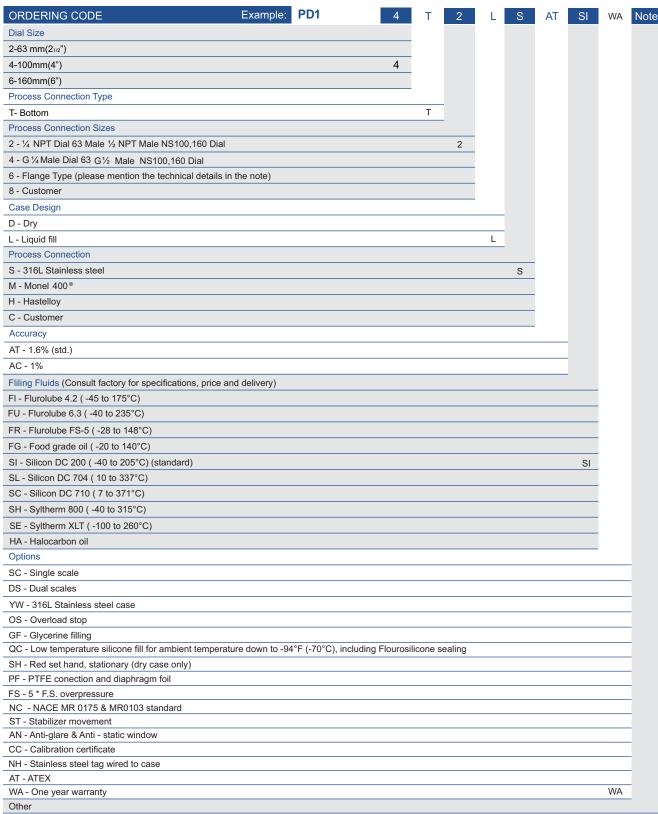




MADECO Canada

Two classes of the PD1Series are offered. low pressure application type with larger diaphragm (Ø150mm) for up to 4 mH2O pressure with the minimum span of 16 cmH2O, and high pressure application type with smaller diaphragm (Ø96 mm) for the maximum pressure of 600bar

PD1 Diaphragm Pressure Gauges







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