

Fillable Contact Pressure Gauge Model: CP1

Applications

- Monitoring of plants and switching of circuits
- Control and regulation of processes
- 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
- Liquid-filled version also available
- Excellent load-cycle stability and shock resistance
- Up to 4 switch contacts per instrument
- Scale ranges up to 0 ... 1,600 bar

Description

Accuracy class

Pressure element

Process connection

Socket & connection

Window

Permissible temperature

MovementPointer

Dial

Protection

Range

1.0, 0.5% (option)

Stainless steel 316L C-type or helical type

Hastelloy, Monel, Tantalum(option)

Stainless steel 316L back & bottom

NS 63: 1/4 NPT, NS 100, 160: 1/2 NPT, BSP (option)

316L st. steel treated to comply with NACE MR0175&

MR 0103 standards

Laminated safety glass Anti-glare & Anti-static

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

-20 ... +60 °C gauges with glycerine filling1)

Medium: +100 °C maximum without liquid filling

+65 °C maximum with liquid filling

Stainless steel with stabilizer

Aluminium, black

Aluminium, white, black lettering,

IP66

0...10 to 0...30,000 psi;

0...60 to 0...200.000 kPa;

0...0.6 to 0...2,000 bar

Vacuum & compound ranges

are available. single or double scale dials.



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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

Contact Type
 Silver-Nickel contacts

See the electric alarm contact types section

Contact Rating
 Magnetic: 1 A for up to 230 VAC

0.5 A for up to 48 VDC

Inductive: 0.4 A up to 220 VAC Inductive: 0.4 A up to 220 VAC (op.)

Magnetic Contact

Code	Version	Contact 1∗Contact	Type 1 _" Contact	
M0	magnetic	NO		
M2	magnetic	NC		
M4	magnetic	Special single change over contact (SPDT)		
M6	magnetic	NO	NO	
M8	magnetic	NO	NC	
M10	magnetic	NC	NO	
M12	magnetic	NC	NC	
M14	magnetic	Special single change ov	Special single change over contact (SPDT)	

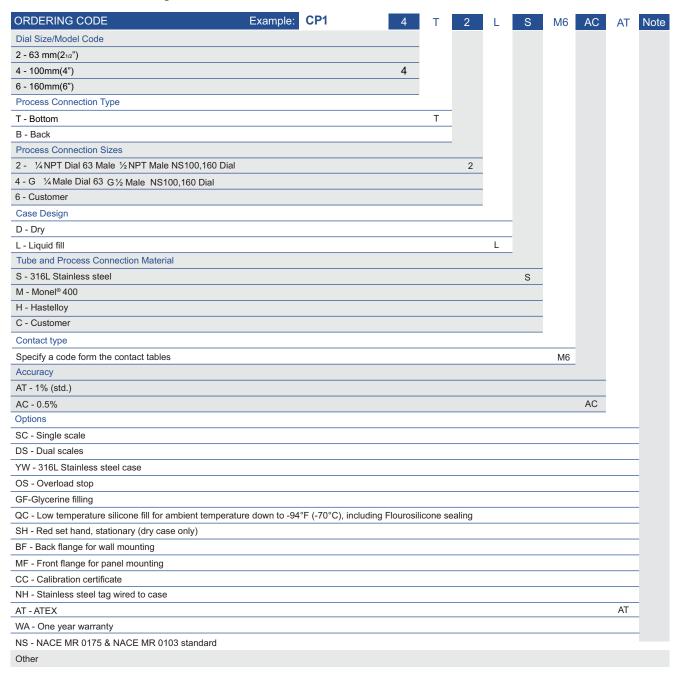
Inductive Contact

Code	Version	1 _" Contact	Contact Type	1 _" Contact
I1	inductive	NO		
13	inductive	NC		
15	inductive	NO		NO
17	inductive	NO		NC
19	inductive	NC		NO
l11	inductive	NC		NC



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CP1 Contact Pressure Gauges







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