

# 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 1.0, 0.5% (option)

■ Pressure element Stainless steel 316L C-type or helical type

Hastelloy, Monel, Tantalum(option)

Stainless steel 316L back & bottom Process connection

NS 63: 1/4 NPT, NS 100, 160: 1/2 NPT, BSP (option) ■ Socket & connection

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

MR 0103 standards

Window Laminated safety glass Anti-glare & Anti-static ■ Permissible temperature

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

-20 ... +60 °C gauges with glycerine filling 1)

Medium:+100 °C maximum without liquid filling

+65 °C maximum with liquid filling

Movement Stainless steel with stabilizer

Pointer Aluminium, black

Aluminium, white, black lettering, Dial







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■ Protection IP66

■ Range 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.

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	ct Type 1 <sub>"</sub> Contact	
MO	magnetic	NO		
M2	magnetic	NC		
M4	magnetic	Special single chang	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	Special single change over contact (SPDT)	

### **Inductive Contact**

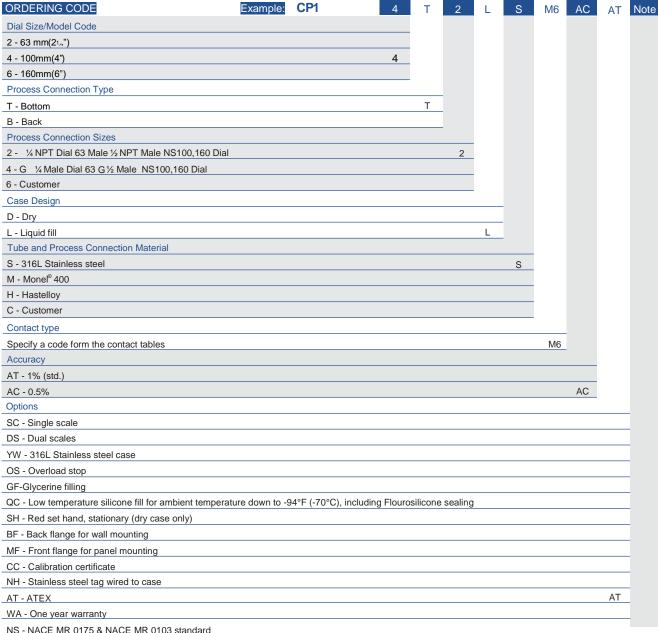
Code	Version	C- 1- Contact	ontact Type 1 <sub>"</sub> Contact
l1	inductive	NO	
13	inductive	NC	
15	inductive	NO	NO
17	inductive	NO	NC
19	inductive	NC	NO
l11	inductive	NC	NC





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#### **CP1 Contact Pressure Gauges**



NS - NACE MR 0175 & NACE MR 0103 standard

Other





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