

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

- | | |
|---|--|
| <ul style="list-style-type: none"> ■ Accuracy class ■ Pressure element | 1.0, 0.5% (option)
Stainless steel 316L C-type or helical type
Hastelloy, Monel, Tantalum(option) |
| <ul style="list-style-type: none"> ■ Process connection | Stainless steel 316L back & bottom
NS 63: ¼ NPT , NS 100, 160: ½ NPT, BSP (option) |
| <ul style="list-style-type: none"> ■ Socket & connection | 316 L st. steel treated to comply with NACE MR0175&
MR 0103 standards |
| <ul style="list-style-type: none"> ■ Window ■ Permissible temperature | Laminated safety glass Anti-glare & Anti-static
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 |
| <ul style="list-style-type: none"> ■ Movement ■ Pointer ■ Dial | Stainless steel with stabilizer
Aluminium, black
Aluminium, white, black lettering, |

- **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 Type	
		1 st Contact	1 st 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 over contact (SPDT)	

Inductive Contact

Code	Version	Contact Type	
		1 st Contact	1 st Contact
I1	inductive	NO	
I3	inductive	NC	
I5	inductive	NO	NO
I7	inductive	NO	NC
I9	inductive	NC	NO
I11	inductive	NC	NC



CP1 Contact Pressure Gauges

ORDERING CODE	Example: CP1	4	T	2	L	S	M6	AC	AT	Note
<u>Dial Size/Model Code</u>										
2 - 63 mm(2 1/2")										
4 - 100mm(4")										
6 - 160mm(6")										
<u>Process Connection Type</u>										
T - Bottom										
B - Back										
<u>Process Connection Sizes</u>										
2 - 1/4 NPT Dial 63 Male 1/2 NPT Male NS100,160 Dial										
4 - G 1/4 Male Dial 63 G 1/2 Male NS100,160 Dial										
6 - Customer										
<u>Case Design</u>										
D - Dry										
L - Liquid fill										
<u>Tube and Process Connection Material</u>										
S - 316L Stainless steel										
M - Monel® 400										
H - Hastelloy										
C - Customer										
<u>Contact type</u>										
Specify a code form the contact tables										
M6										
<u>Accuracy</u>										
AT - 1% (std.)										
AC - 0.5%										
<u>Options</u>										
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										
AT - ATEX										
WA - One year warranty										
NS - NACE MR 0175 & NACE MR 0103 standard										
Other										





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