

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) |
| ■ Process connection | Stainless steel 316L back & bottom
NS 63: ¼ NPT , NS 100, 160: ½ NPT, BSP (option) |
| ■ Socket & connection | 316L 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 |
| ■ Dial | 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	1 st Contact	Contact Type	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	1 st Contact	Contact Type	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(2½")											
4 - 100mm(4")											
6 - 160mm(6")											
<u>Process Connection Type</u>											
T - Bottom											
B - Back											
<u>Process Connection Sizes</u>											
2 - ¼ NPT Dial 63 Male ½ NPT Male NS100,160 Dial											
4 - G ¼ Male Dial 63 G ½ 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											
Accuracy											
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											





Address: 7191 Yonge street, Toronto, Canada

Tel: +16472221281(5 line)

Web: www.madecotech.com

Email: Info@madecotech.com