Your vision, automated

MCOMPT

PRESSURE SENSOR

The MCOM-PT Series Pressure Transmitter is a high-performance sensing device that utilizes a media-isolated silicon pressure sensor, offering measurement ranges from 0 to 30 bar. Designed for applications requiring exceptional accuracy, stability, and long-term reliability, it features all-316L stainless steel wetted parts, ensuring superior durability in harsh environments. With a wide selection of output signal options, electrical connections, and pressure port types, the MCOM-PT Series provides excellent flexibility, making it suitable for diverse industrial applications without the need for customization.

➢ FEATURES

- Gauge, Absolute and Vacuum Pressure Measurement
- Measuring Ranges From 0 to 30 bar (other ranges on request)
- Process Temperature from -40 to +125°C
- Wide Range of pressure Ports and Electrical Connectors
- Housing and Diaphragm made of Premium Stainless Steel
- Customized OEM Version Available

➢ PERFORMANCE

- Accuracy : ≤ ±0.25% BFSL
- Stability : ≤ ±0.25% FS
- Insulation Resistance : >100MΩ/500VDC
- Over Range Protection : 300%F.S.(≤70kPa) , 200%F.S.(<10Mpa)
- Temperature Drift : <+1.5% FS(-20 to 85°C)
- Response Time : ≤150ms (up to 90%F.S.)
- Reverse Polarity Protection : Yes

➢ THERMAL

→ **Temperature**

Ambient Temperature	-20°C to 85°C
Medium Temperature	-40°C to 100°C
Storage Temperature	-40°C to 110°C

→ **Thermal Limits**

Compensated Range	0°C to 70°C
TC Zero	≤ ±1.5% FS
TC Span	≤ ±1.5% FS

➢ ENVIRONMENTAL

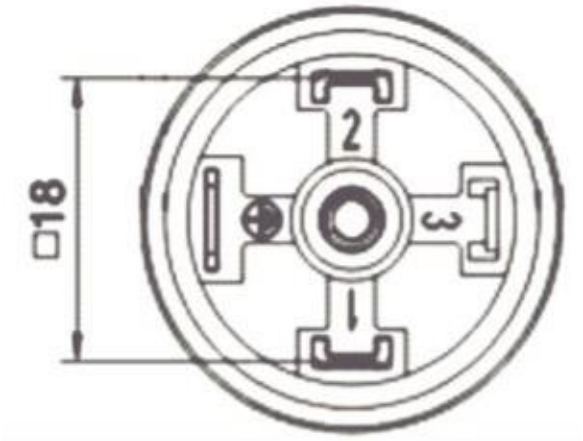
- EMI/RFI Protection : Yes (Electromagnetic Compatibility Directive 2014/30/EU)
- IP Rating : IP67
- Vibration : 20g (25∼2000HZ) Sine Curve; IEC 60068-2-6
- 200g/1ms; IEC 60068-2-27

➢ ELECTRICAL

Output	4-20mA	1-5V, 1-6V, 0-4V (3 wire)	0-10V (3 wire)
Excitation	10-30VDC	10-30VDC	15-30VDC

➢ WIRING GUIDE

Output	Pin 1	Pin 2	Pin 3	Pin 4
4-20mA (2-wire)	+V	-V	N/A	N/A
Voltage (3-wire)	+V	Ground	Signal	N/.A
mV (4-wire)	Signal	Ground	+V	-Signal



➢ APPLICATIONS

- Water Pressure Measurement
- Liquid and Gas Pressure Measurement
- Hydraulic Systems
- Engine Fuel Pressure Measurement
- Refrigerator and Air compressor
- Autoclaves and ETO Sterlizers
- sewage treatment, water supply, petroleum chemical and pharmaceutical industry

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