MCOM-PT

PRESSURE SENSOR

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MCOM-PT series pressure transmitter incorporates a media isolated silicon pressure sensor with range from 0 bar to 10 bar. For OEM that need consistent high levels of performance, reliability and stability the PT series unit series units offer all 316L stainless steel wetted parts at an unbeatable price performance ratio. A wide choice of output signal types in addition to various electrical connection and pressure port types means the unit is suitable for most applications without modification

APPLICATION

- 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

FEATURES

- Gauge, Absolute and Vacuum Pressure Measurement
- Measuring Ranges From 0 to 10 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

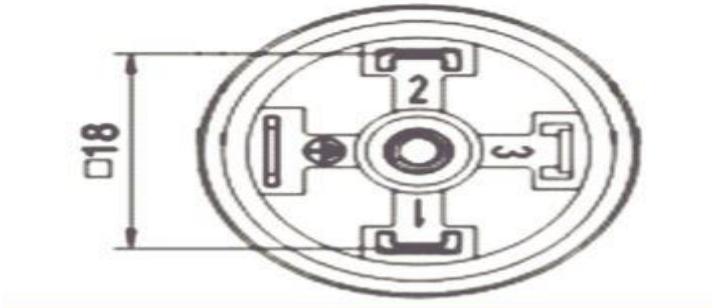
- EMI/RFI Protection Yes (Electromagnetic Compatibility Directive 2014/30/EU)
- IP Rating IP67
- Vibration 20g (25∼2000HZ) Sine Curve; IEC 60068-2-6
- 200g/1ms; IEC 60068-2-27

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



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