

Pressure Sensor – 50 Bar

Gas and non-aggressive liquids

Key Features

- Pressure Range: 0 to 50 bar (725 psi)
- IP65 rating
- Accuracy: $\pm 1\%$
- Power Supply: 24 vDC
- Output: 4...20 mA
- Measure: pressure
- Ceramic core, resistant to moisture



About

Stay on top of pressure issues with the Compressed Air Alliance pressure sensor. Easy to install with 4-20mA data output.

We recommend at least two pressure sensors are installed on compressed and gas systems:

- one (1) pressure sensor on the wet side of the system to monitor compressor output and
- one (1) pressure sensor on the dry side of the system to measure the system supply pressure.

However, you can install pressure sensors in many locations to measure pressure loss and identify problems with filters, dryers or other equipment. Connect the pressure sensor to your SCADA to receive notification of pressure drops.

Applications

- Manufacturing and industrial use
- Gas and non-aggressive liquids
- Temporary or permanent installation
- Gas pressure up to 50 bar (725 psi)



More Info



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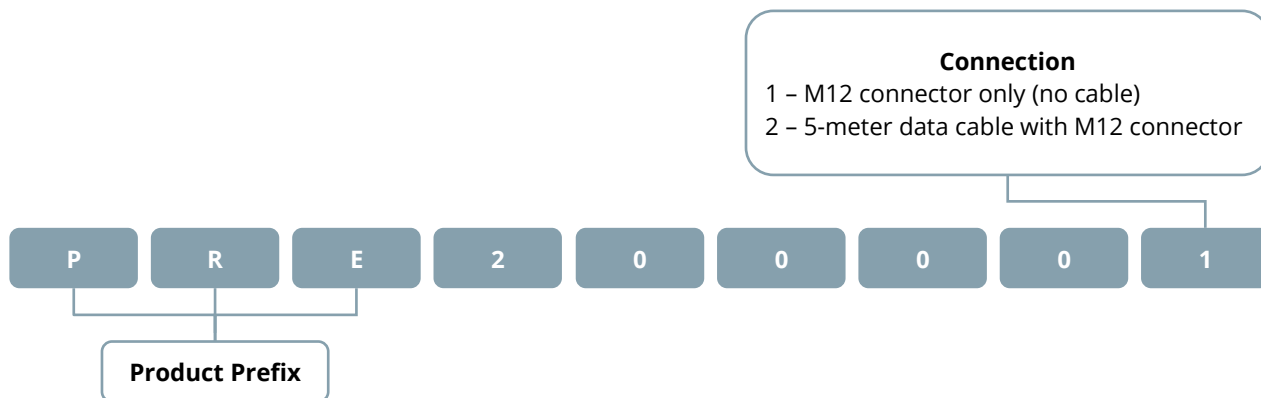
Specifications

Sensor Information	
Technology	Ceramic core, resistant to moisture
Medium	Gas Non-aggressive liquids
Measurement Range:	0 to 50 bar 0 to 725 psi
Accuracy	±1%
The accuracy and response time of the sensor can be affected by the on-site conditions, contaminants in the gas and incorrect installation.	
Power	
Power Requirement	≤10mA, 24V DC
Electrical Connection	4 pin M12, female
Output	
Output	Analogue: 4 to 20mA (2 wire)
Output Signals	Pressure

Other	
Process Connection	ISO G1/4" thread
IP Rating	IP65
Housing Material	Stainless Steel
Ambient Temperature	-30°C to +80°C -22°F to +176°F
Dimensions	68 mm L x 22 mm W 2.7" L x 0.9" W
Installation	Permanent or Temporary
Warranty	12 months

How to Order

Buy online: www.compressedairalliance.com/products



Other Sensors

Dew Point Sensors

For compressed air and gas in manufacturing and industrial environments

Pressure Dew Point (PDP) Range

- -60 to +60°C (-76°F to +140°F)
 - for refrigerant, drum, membrane and desiccant dryers
- -80 to +20°C (-112°F to +68°F)
 - for membrane and desiccant dryers and Nitrogen systems
- -110 to +20°C (-166 °F to +68°F)
 - for membrane and desiccant dryers

Power Supply

24vDC

Outputs

Modbus RTU (RS485) and 4-20mA

Data Logging

No

Display

Optional

Accuracy

up to ±2%



Flow Meters

For compressed air and gas in manufacturing and industrial environments

Flow Meter Range

- Vortex – for very wet gas and steam
- Pitot Tube – for wet gas and high velocity gas
- Thermal Mass – for dry, clean gas

Power Supply

24vDC

Outputs

Modbus RTU (RS485) and 4-20mA

Data Logging

Yes

Display

Yes

Accuracy

±(1.5% RD + 0.3% FS)



Power Meters

For compressed air and gas in manufacturing and industrial environments

Type

- 3 Phase
- Single Phase

Power Supply

24vDC

Outputs

Modbus RTU (RS485)

Data Logging

No

Display

Yes

Accuracy

±0.1%



Online Monitoring

Get online access to your data via a laptop, tablet or mobile phone. Monitor energy, water, gas and other data in real time, 24 hours per day, 7 days per week.

- Suitable for all Compressed Air Alliance products as well as other brands
- View and analyse data and graphs
- Set alarms and SMS and/or email notifications
- Track performance against targets
- Download data in csv format
- Self-assessments to compare your system against best practice

