

# Pressure Sensor – 16 Bar

Gas and non-aggressive liquids

## Key Features

- Pressure Range: 0 to 16 bar (232 psi)
- IP65 rating
- Accuracy:  $\pm 1\%$
- Power Supply: 24 vDC
- Output
  - Digital: Modbus RS485
  - Analogue: 4...20 mA
- Measure: pressure
- Ceramic core, resistant to moisture



## About

CAA Sensor's pressure sensor can be used to measure pressure in compressed air, gas and non-aggressive liquids. It can be installed in both wet and dry gases up to 16 bar (232 psi). The sensor has 4-20mA or Modbus output.

For effective measurements, we recommend you install at least two pressure sensors – (i) one pressure sensor on the wet side of the system to monitor compressor output and (ii) one on the dry side of the system to measure the system supply pressure. Other pressure sensors can be installed to measure pressure drop at key locations such as near any high compressed air or gas consumers and at the far ends of the system.

## Applications

- Manufacturing and industrial use
- Gas and non-aggressive liquids
- Temporary or permanent installation
- Gas pressure up to 16 bar (232 psi)



More Info

# Specifications

Sensor Information	
Technology	Ceramic core, resistant to moisture
Medium	Gas Non-aggressive liquids
Measurement Range:	0 to 16 bar 0 to 232 psi
Units of Measure	kPa, MPa, Bar, PSI, mBar, mH2O @ 20°C
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	5 pin M12, female
Output	
Output	Analogue: 4 to 20mA (2 wire) Digital: Modbus RTU
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	100 mm L x 33 mm W 3.9" L x 1.3" W
Installation	Permanent or Temporary
Warranty	12 months

# How to Order

Find a Distributor: [www.caasensors.com/distributors](http://www.caasensors.com/distributors)

