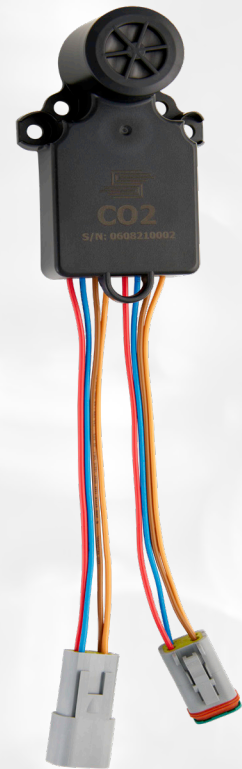# CO2 Sensor

- Plug and play solution
- Superior repeatability and long-term stability
- Compensates for changes in temperature, pressure, and humidity

Description

Senmatic's CO2 sensor is using a revolutionized thermal conductivity measurement principle, which results in superior repeatability and long-term stability. This makes the sensor a perfect choice for applications where reliability is key.

The sensor features a Modbus communication protocol, which makes it easy to connect directly to a controller.

The outstanding performance of these sensors is based on a patented CMOSSens® sensor technology, which combines the sensor element, signal processing and digital calibration on a small CMOS chip. The well-proven CMOS technology is perfectly suited for high-quality mass production and is the ideal choice for demanding and cost-sensitive OEM applications.
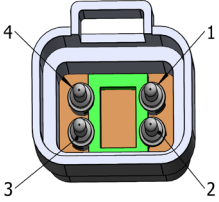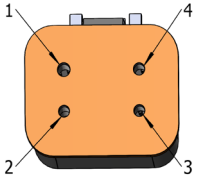
Application

✳ REEFER INDUSTRY

Specifications - CO2 Sensor

Measurement range	0-20 % CO2
Resolution	0.01 % CO2
Accuracy	± 0.5 Vol % + 3 % measured value
Response time 63 %	< 250 sec
Voltage	7.0 -15 VDC
Current	< 8 mA
Operating humidity	0-98 % RH
Operating temperature	-20°C to 50°C
Storage temperature	-45°C to 70°C
Operating pressure	1110 hPA to 650 hPA
IP range	66

Pinout   Description

1   12 VDC
2   GND
3   RS485 A
4   RS485 B

Dimensions - CO2 Sensor