



# MCS-CO2-OA

## Description & Specifications



Part # **MCS-CO2-OA**

### Specifications

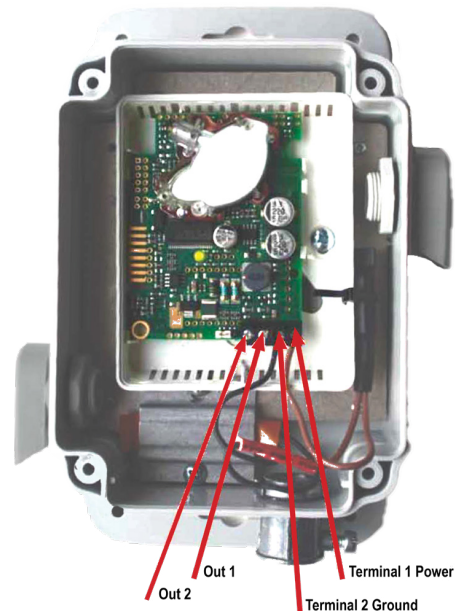
Measured gas.....	Carbon dioxide (CO <sub>2</sub> )
Sensing Range.....	0-2000 ppm (CO <sub>2</sub> )
Output.....	0 - 10V = 0 - 2000
Sensing method.....	Infrared (NDIR) waveguide technology / Automatic Baseline Correction (ABC) and passive diffusion (no moving parts)
Warm-up Time .....	< 1 min. (@ full specs < 15 minutes)
Response Time .....	<30 seconds @ 30 cc/minute flow rate <3 minute diffusio time
Accuracy .....	+/- 30 ppm +/- 3% of reading
Repeatability.....	+/- 20 ppm +/- 1% of reading
Operating Temp. Range.....	-22 to +115 °F
Storage Temp. Range.....	-4 to +122 °F
Operating Humid.Range .....	0 to 95% RH (non-condensing)
Sensor Life Expectancy .....	> 15 years

### Electrical

Power Input.....	24 VAC/VDC ±20%, 50 Hz (half-wave rectifier input)
Power Consumption .....	< 1 Watt average (Heater Off)

### Packaging

Ship Weight .....	lb (approx)
Box Dimensions.....	(approx)



### Description

#### Carbon Dioxide Sensor (CO<sub>2</sub>)

The **MCS-CO2-OA** combines excellent performance with a straightforward design to provide an analog output based on 0 to 2,000 ppm of carbon dioxide. The MCS-CO2-OA is complete with a \*IP65 housing with side ventilation to support the flow of outdoor air.

The MCS-CO2-OA includes an in-line thermostat in order that heating of the housing only takes place when the outdoor temperature warrants the use of the energy to maintain an above freezing temperature in the housing.

This device can be mounted to a wall, or other supporting structures, using the four corner mounting holes or the top and bottom mounting holes.

No maintenance required.

Self Diagnostics complete function-check.

\*IP65. Protected from total dust ingress. Protected from low pressure water jets from any direction, limited ingress protection.

Revision - 2023-01-04