



Data Sheet

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CO2 Multi Sensor Specifications:

This intelligent sensor was designed to monitor temperature, relative humidity, and CO₂. The ICO₂ sensor uses Non Dispersive Infrared (NDIR) technology to measure CO₂ levels from 400 to 2000 ppm. The CO₂ Multi Sensor is 1-Wire compatible and is designed for use with the eMonitor Gateway, the Sensor Hub, and the PowerWise inDAC (data acquisition controller).



Hardware Specifications

Power Specification:

The power supply is reverse voltage, overvoltage, and short circuit protected.

Input Voltage Range:	7-26VDC
Current Consumption:	< 35mA

Operating Environment:

Temperature:	0°C to 50°C
Humidity:	5-95% Non-Condensing

Exterior Dimensions:

Enclosure:	3.1" x 3.1" x 1.25"
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Sensor Specifications

Ambient Air Temperature:

Range:	-55°C to 125°C
Accuracy:	+/- 0.5°C at 25°C
Resolution:	0.0625°C

Relative Humidity:

Range:	0 to 100%
Accuracy:	+/-3% at 25°C and 50% RH

CO₂:

Range:	400 to 2000 ppm
Accuracy:	500ppm +/-35ppm
	800ppm +/-60 ppm
	1000ppm +/-75 ppm
	1200ppm +/-90ppm



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