



Data Sheet

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Multi Sensor Specifications:

This intelligent sensor was designed to monitor temperature, relative humidity, and volatile organic compounds (VOC). The Multi Sensor is 1-Wire compatible and was designed for use with the eMonitor Gateway, the Sensor Hub, and the PowerWise inDAC (data acquisition controller). The VOC sensor detects alcohols, aldehydes, aliphatic hydrocarbons, amines, aromatic hydrocarbons, CO, CH₄, LPG, ketones, and organic acids.

Hardware Specifications



Power Specification:

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

Input Voltage Range: 7-26VDC
Current Consumption: < 20mA

Operating Environment:

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

Exterior Dimensions:

Enclosure: 3.1" x 3.1" x 1.25"

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

Volatile Organic Compounds:



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Range: 450-2000 ppm CO₂ equivalents (relative)
Resolution: 0.757 ppm CO₂ equivalents
Resolution: 0.315%

