



MCS-CO2-D

Description & Specifications



Part # **MCS-CO2-D**

Description

The **MCS-CO2-D** is a CO2 sensor designed to mount in a duct. The MCS-CO2-D measures the CO2 in a range of 0 to 2,000 ppm with an output of 0-5 VDC. The MCS-CO2-D utilizes a gold-plated infrared (NDIR) waveguide technology for enhanced stability, accuracy and reliability.

The sensor contains complete self-diagnostic procedures that are executed automatically when the sensor is in

Specifications

Measured gas..... Carbon dioxide (CO2)
 CO2 Detection Range 0-2000ppm
 Accuracy±30 ppm ±3% of reading
 (minimum of 3 weeks of operation)
 Dimensions..... 5.59" x 3.31" x 1.81"
 Operation Range 32°F to 122°F, (0° to 50°C)
 0-95%, RH non-condensing
 Sensor Coverage area 7500 square feet
 Input Power 24 VAC/VDC
 Output..... 0 to 5 VDC
 CO2 Sensing Element..... Gold plated Infrared (NDIR)
 waveguide technology
 Start-Up Time 10 minutes
 Case ABS Plastic IP65

operation. The sensor's accuracy is determined as the sensor is in continuous operation at least for three weeks after installation.

This sensor allows the **MCS-Magnum** to make smart decisions therefore decreasing energy consumption while creating a healthier indoor environment.

PPM to VDC Chart

PPM	SI (VDC)
0	0
100	0.25
200	0.5
300	0.75
400	1
500	1.25
600	1.5

PPM	SI (VDC)
700	1.75
800	2
900	2.25
1000	2.5
1100	2.75
1200	3
1300	3.25

PPM	SI (VDC)
1400	3.5
1500	3.75
1600	4
1700	4.25
1800	4.5
1900	4.75
2000	5

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