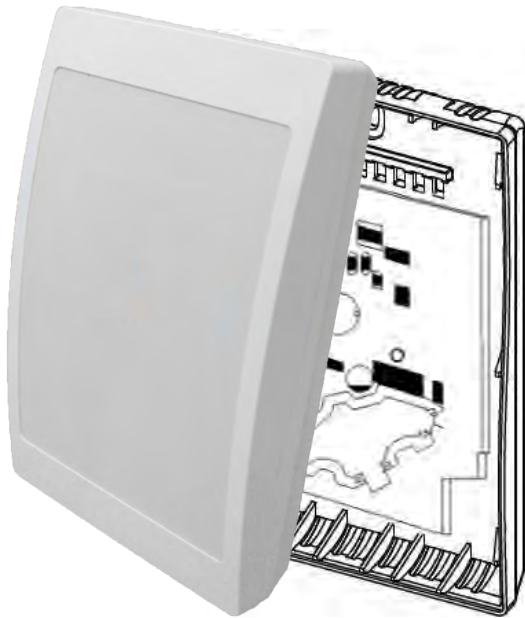




# MCS-CO2-W-xxx

## Description & Specifications



Part # **MCS-CO2-W**



Part # **MCS-CO2-W-LCD**

### Description

The **MCS-CO2-W** is a CO2 sensor designed to mount on a wall. The MCS-CO2-W measures the CO2 in a range of 0 to 2,000 ppm with an output of 0-5 VDC. The MCS-CO2-W 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 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 controller to make smart decisions therefore decreasing energy consumption while creating a healthier indoor environment.

#### PPM to VDC Chart

PPM	SI (VDC)	PPM	SI (VDC)	PPM	SI (VDC)
0	0	700	1.75	1400	3.5
100	0.25	800	2	1500	3.75
200	0.5	900	2.25	1600	4
300	0.75	1000	2.5	1700	4.25
400	1	1100	2.75	1800	4.5
500	1.25	1200	3	1900	4.75
600	1.5	1300	3.25	2000	5

### Option:

Carbon dioxide wall mount transmitter w/ LCD of CO2 level 4 Digits, 7 segments LCD with ppm indicator (shown in photo above).

**Part number description when ordering:**  
**MCS-CO2-W-LCD**

### Specifications

- Measured gas..... Carbon dioxide (CO2)
- CO2 Detection Range ..... 0-2000ppm
- Accuracy..... ±30 ppm ±3% of reading (minimum of 3 weeks of operation)
- Dimensions..... 3.95" x 3.15" x 1.10"
- 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

Revision - 2016-10-20