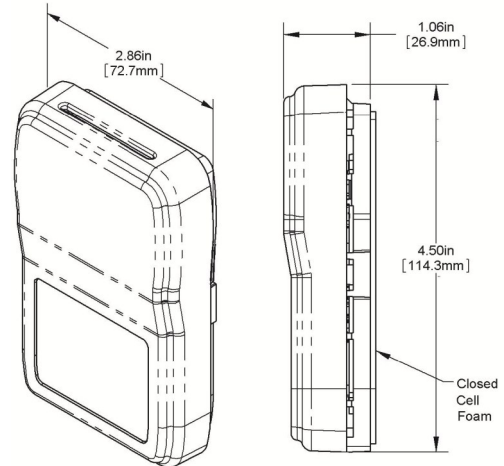




The MCS-CO2-W Specifications & Description

Product Characteristics

Input Power.....12 to 30 VDC or 12 to 24 VDC @
 400mA max
 Output.....0 to 5VDC
 Accuracy.....±75ppm
 CO2 Sensing Element....Dual Channel Non-Dispersive
 Infrared (NDIR)
 Operation Range.....32°F to 122°F, (0° to 50°C)
 0-95%, RH non-condensing
 Start-Up Time.....10 minutes
 CO2 Detection Range.....0-2000ppm
 Case.....ABS plastic, rated UL94V-O
 Dimensions.....2.86" x 4.5" x 1.06"



Part # MCS-CO2-W

Product 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 uses a dual-channel optical system, three-point calibration process and non-dispersive infrared (NDIR) technology for enhanced stability, accuracy and reliability.

The sensor is also altitude compensated for long-term accuracy and stability. Changing air pressure, due to altitude or weather patterns, can change the output of most CO₂ sensors by as much as 17%. The MCS-CO2-W also has a built-in barometric sensor that continuously compensates the output for accurate readings despite inclement weather or the altitude of the installation.

Product Specifications

PPM	VDC (S1 to GND)
0	0
100	0.25
200	0.5
300	0.75
400	1
500	1.25
600	1.5

PPM	VDC (S1 to GND)
700	1.75
800	2
900	2.25
1000	2.5
1100	2.75
1200	3
1300	3.25

PPM	VDC (S1 to GND)
1400	3.5
1500	3.75
1600	4
1700	4.25
1800	4.5
1900	4.75
2000	5