

Datasheet: CO+CO2 Indoor Air Quality Meter

The CM-0007 IAQ Meter and data logger measures CO2 levels, CO levels, air temperature, dew point, wet bulb temperature and humidity. It is a full-featured, portable instrument for indoor air quality (IAQ) diagnosis and analysis.

Features

- 4 in 1 Measures: CO, CO2, Temperature, and %RH
- Calculates Dew Point and Wet Bulb Temperature
- Programmable Audible CO Level Alarm
- 8 Hour Time Weighted Average (TWA)
- 15 Minute Short Term Exposure Limit (STEL)
- Max and Min functions
- 99 Data Points Manual Recording
- 24,000 Data Points Auto Recording
- In-Field Calibration
- Free PC software to download data for analysis
- 1 Year Limited Warranty

Specifications

Measuring Range

CO2	0 to 9,999ppm (> 5,000ppm out of scale)
CO	1 to 1,000ppm
Temperature	-5 to 140°F (-20 to 60°C)
Relative Humidity.....	0.1% to 99.9% RH
Dew Point Temperature.....	-5 to 140°F (-20 to 60°C)
Wet Bulb Temperature	23 to 140°F (-5 to 60°C)

Resolution

CO2, CO.....	1ppm
Temperature	0.1°F/°C
Humidity	0.1% RH

Accuracy

CO2	±30ppm ±5% of reading (0-5,000ppm)
CO	±10ppm < 100ppm, ±10% 101-500ppm, ±20% above 500ppm
Temperature	±0.9°F (±0.6°C)
Relative Humidity.....	±3% RH at 77°F (25°C) and 10-90%RH. ±5% other ranges

Response Time

CO2 Warm up	30 seconds
CO2 Change	< 30 seconds (90% step change)
CO Change	< 60 seconds (90% step change)
Temperature (Tair @1.5m)	< 2 minutes (90% step change)
RH	< 10 minutes (90% step change)

LCD Size.....	26x44mm (HxW)
Meter Size.....	205x56x70mm (LxDxW)
Operation Conditions.....	-4 to 122°F (-20 to 50°C) (avoid condensation)
Storage Conditions.....	-4 to 140°F (-20 to 60°C) at 10-90%RH
Power Supply	(4) AA batteries or 9VDC adaptor
Battery Life.....	> 24 hours (Alkaline battery)
Weight	7oz (200g) without batteries



Model: CM-0007 Includes

- Meter
- 4 AA Batteries
- Mini USB Cable and software CD
- Operation Manual
- Hard-Shell Carrying Case
- 33% & 75% Calibration Salt
- 110-220 VAC Power Adapter
- International Wall Adapter Kit