

CO2-100 Handheld Carbon Dioxide Meter

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Instant feedback on CO2 levels, with additional temperature and humidity measurement. Built in alarm warns against dangerous CO2 levels. This portable CO2-100 Air Quality meter is designed to measure air quality compliance in occupied spaces such as offices, production floors, schools and hospitals.

Highlights

- **Low drift portable meter** for checking indoor air quality
- **CO2 Measurement** up to 9999 ppm
- **Triple display** with simultaneous CO2, Temperature and relative humidity readings
- **Selectable display** of Dew Point and Wet Bulb
- **Air Quality Analysis with displays of:**
 - **TWA display** (time-weighted average) for 8 hrs period
 - **15 minutes STEL** (short-term exposure limit) value
- **High performance low drift sensor** designed with NDIR
- **(Non-Dispersive Infrared)** waveguide technology
- **Easy to read** large LCD display
- **Manually calibratable**
- **Audible alarm** threshold setting to setup warning against carbon dioxide level
- **Backlight function** for working in dark area
- **Optional PC download** capabilities
- **Data Hold**
- **Maximum, minimum, average** functions
- **Long time drift compensation** for accurate readings



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Handheld Carbon
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Safety Certification

All Amprobe tools, including the Amprobe CO2-100, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Specifications

Measuring Range	CO2 0 - 9999 ppm 5001 - 9999 ppm (out of scale range)
Temp. Range	-10°C to 60°C (14°F - 140°F)
RH Range	0% - 95%
DP (Dew Point Temp.)	-20°C to 59.9°C (-4°F - 139.8°F)
WB (Wet Bulb Temp.)	-5.0°C to 59.9°C (24.8°F - 139.8°F)
Resolution	1ppm - CO2 concentration, 0.1°C / °F - Temp, 0.1% RH - Humidity
Accuracy	±30ppm ±5% of reading (CO2) (0-5000ppm) others rang accuracy are not specified ; ±0.6°C / ±0.9°F, ±3% RH (at 25°C, 10-90%) others ±5% for other RH range
Sensing Tech	CO2 -NDIR sensor
Humidity	Rotronic capacitor type
Warm-up Time	30 seconds
Response Time	About 30 seconds
Alarm sound level	80 dB
Operating condition	0°C to 50°C (32°F - 122°F), 0 - 95% RH (avoid condensation) for CO2
Storage Condition	-20°C to 60°C (-4°F - 140°F), 0-99%RH (avoid condensation)
Power Supply	AA type (UM-3) x 4 pcs
Battery Life	> 10 hours
Standard packing includes	Meter, Manual, Batteries and Hard carrying case
Dimension	210(L) x 70(W) x 58(H) mm (8.3 x 2.8 x 2.3 in)
Weight	Approx. 182g (0.40 lb)

Included Accessories Batteries (installed), user manual, carrying case

