



## CENTER 512 Portable CO2 Temperature Humidity Logger Monitor



SKU: CEN512RE  
Manufacture warranty period: 12 months  
Country of Origin: Taiwan

### Introduction:

CENTER 512 CO2 Meter is the perfect tool for monitoring indoor air quality, HVAC and many industrial processes. This unit built in NDIR sensor. The CO2 gas diffuses into NDIR sensor to get the excellent sensitivity. It also can be calibrated in any standard CO2 concentration.

### Features:

- CO2, humidity and temperature sensors.
- Dual wavelength NDIR CO2 sensor (Non-Dispersive Infrared) for superior stability.
- User operated CO2 calibration.
- Data Hold & Max/Min/STEL/TWA function.
- Adjustable auto power off timer.
- Internal CO2 alarm buzzer.
- Datalogging up to 32,000 sets.
- USB interface, PC software included.
- Backlight display function.





## Specifications:

- Carbon Dioxide (CO2)
- Type: Non-dispersive infra-red (NDIR)
  - Range: 0~30,000 ppm
  - Resolution: 1ppm
  - Accuracy:
    - $\pm 75\text{ppm} \pm 3\%$  of reading (0~5000ppm),
    - $\pm 150\text{ppm} \pm 5\%$  of reading (5001~30,000ppm)
  - Response time: 20 sec
  - Sampling Rate: 2 sec
- Air Temperature
  - Range: 0~50°C (32~122°F)
  - Resolution: 0.1°C/°F
  - Accuracy:  $\pm 1.0^\circ\text{C}$  (@23  $\pm$  5°C) (in still air)
  - Response time: 10 sec
  - Temperature Coefficient: For ambient temperatures from 0°C ~ 18°C and 28°C ~ 50°C, add the following tolerance into the accuracy spec for each °C ambient below 18°C or above 28°C:
    - 0.01% of reading + 0.03°C
    - 0.01% of reading + 0.06°F
- Relative Humidity
  - Range: 0~100%RH
  - Resolution: 0.1%RH
  - Accuracy:
    - $\pm 4.5\%RH$  (20~80%RH)
    - $\pm 5.5\%RH$  (<20%, >80%) (in still air)
  - Response time: 8 sec
- Operating
  - Temperature: 0~50°C (32~122°F)
  - Humidity: 10~90%RH (No condensing)
- Storage
  - Temperature: -20~60°C (-4~140°F)
  - Humidity: 10~75%RH

- Power supply: 9V Alkaline Battery
- Battery Life: Approx. 10 hours (alkaline battery)
- Meter size: 226.5(L) x 65 (W) x 38.5(H) mm
- Weight: 273 grams

## Package Included:

- 1 x Center-512 meter
- 1 x User Manual
- 1 x USB cable
- 1 x CD Software
- 1 x 9V Battery
- 1 x Hard carry case

