NEW

Carbon Dioxide Monitor and Data Logger

AQM-102

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- Large LCD Displays CO_2 Level, Temperature, Relative Humidity, Calendar (Y/M/D) and Time
- Six (6) Smiley Icons Indicate Indoor Air Quality Levels at (350/450/700/1000/2500/5000 ppm)
- Stable NDIR Sensor for CO_2 Detection
- Programmable High Alarm
- Manual 400 ppm Calibration
- Audible/Visible Led Warning for High CO_2 Concentration
- Heat Index/WBGT Temperature Calculation

The AQM-102 is designed to measure CO_2 concentration, air temperature and relative humidity with visible and audible alarms. This CO_2 monitor is an ideal instrument for indoor air quality (IAQ) diagnosis and HVAC system performance verification.

Carbon dioxide (CO_2) is a gaseous component of the earth's atmosphere. The concentration of CO_2 in natural ambient air is about 0.04% or 400 ppm. With each breath, humans convert oxygen (O_2) into carbon dioxide (CO_2). Although carbon dioxide is invisible and odorless, increased CO_2 levels can cause headaches, drowsiness and a loss of the ability to concentrate or worse.

AQM-102 shown smaller than actual size.

Non-Enforced Reference Levels*

250 to 350 ppm	– Background (normal) outdoor air level
350 to 1000 ppm	– Typical level in occupied spaces with good air exchange
1000 to 2000 ppm	– Level associated with complaints of drowsiness and poor air
2000 to 5000 ppm	– Levels associated with headaches, sleepiness and stagnant, stale, stuffy air; poor concentration, loss of attention, increased heart rate and slight nausea may also be present
>5000 ppm	– Exposure may lead to serious oxygen deprivation resulting in permanent brain damage, coma and even death

SPECIFICATIONS

CO_2
    Measurement Range: 0 to 9999 ppm
    Accuracy: ±30 ppm, + 3% of rdg
    Resolution: 1 ppm
Temperature
    Range: -40 to 85ºC (-40 to 185ºF)
    Accuracy: ±1.2ºC (2.2ºF)
    Resolution: 0.1ºC (0.1ºF)
Relative Humidity
    Range: 0.0 to 90% RH
    Accuracy: ±3% RH [at 25ºC (77ºF), from 10 to 90 RH], ±5% RH beyond 10%
Memory Capacity: 32,000 readings
Storage Temperature: -40 to 70ºC (-40 to 158ºF)
Interface: USB
Dimensions: 110 H x 108 W x 28 mm D (4.33 x 4.25 x 1.10")
Weight: 165 g (5.8 oz)

Model No.	Description
AQM-102	CO_2, RH and temperature monitor and data logger
AQM-100-PW	AC adaptor (optional)

Comes complete with 4 "AAA" batteries, USB cable, operator's manual, AC adaptor and software CD.
***** *Local regulatory exposure limits will vary.*