

True Sense

True Sense CO₂ Multi Function Air Detector is designed to monitor the levels of various harmful compounds in the air. This model of air detector measures CO₂ in the atmosphere. Giving accurate parts-per-million measurements, this device can help you to ensure your home is not contaminated with harmful particles. If you find worrying readings.

It measuring formaldehyde levels is one of the common uses for this product, as when present in the air at levels higher than 0.1 parts per million (PPM), some people may have health effects, such as:

- Watery Eyes
- Burning sensations of the eyes, nose, and throat
- Coughing
- Wheezing
- Nausea
- Skin irritation

Product Code : AQM-14



Package Includes:

- 1 x Air Quality Monitor
- 1 x Charging Data Cable
- 1 x User Manual
- 1 x Retail Box

Key Features:

Product Name	CO2 Air Quality Monitor
Measure	CO2+Temperature+Humidity
Size	70*80*35 MM
Weight	150g
CO2 technology	infrared (NDIR)
Detection range	400-5000ppm
Processor	ARM ,High-speed complex calculations
Power supply	Rechargeable Li-battery 1000mah
Color	Black
Material	Metal + ABS
Display	Common Screen display

- High-quality infrared CO2 sensor (NDIR)
- Additionally, a built-in thermometer and hygrometer
- Built-in rechargeable lithium-ion battery
- Battery backup time up to 3 hours
- The range of CO2 concentration measurements is 400-5000 $\mu\text{g} / \text{m}^3$
- Temperature measurement range: -10 ~ +50 [$^{\circ}\text{C}$]
- Humidity measurement range: 20 ~ 85% RH
- Sound signaling after exceeding the safe concentration
- Air quality signaling by means of 3 icons: GOOD / NORMAL / POOR

Specifications :

CO2 Measurement Data :

Measure Range: 400-5000PPM
CO2 measurement sensor: infrared (NDIR)
Resolution: 1 PPM

Temperature & Humidity Measurement Data :

Temperature measurement range: 10-50 $^{\circ}\text{C}$
Temperature measurement accuracy: $\pm 1^{\circ}\text{C}$
Humidity measurement range: 20-85% RH
Accuracy of humidity measurement: $\pm 4\%$ RH

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Equipment :

- Display: LCD
- Atmospheric pressure: 86 kPa - 106 kPa
- CO2 detection method: infrared (NDIR)
- Sampling time: 1.5 seconds
- Dimensions 70x80x35 mm
- Storage temperature: -10 ° C to 60 ° C
- CO2 concentration unit: PPM
- Power Source: 1600mAh Li-ion Battery
- Power / Charging: 5V DC microUSB port
- Product weight: 150g

Facts :

Ranges Of Co2 Indication Through The Meter

- 400-1000ppm Green Led - Good Air Quality
- 1001-2000ppm Yellow Led - Normal Air Quality
- 2001-5000ppm Red Led - Bad Air Quality

The effect of CO2 concentration on the human body :

- 350-400 PPM : concentration in the external environment
- 350-1000 PPM : clean air and light breath (WHO upper threshold for permanent human habitation)
- 1000-2000 PPM : the air feels stale and stuffy, feeling drowsy
- 2000-5000 PPM : in debilitated people with respiratory diseases, coughing occurs, and sometimes there are fainting or fainting, headaches, drowsiness, increased heart rate, slight nausea and inability to concentrate
- From 5000 PPM : severe hypoxia

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