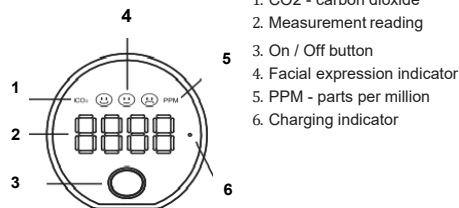# Carbon Dioxide Desktop Monitor Instruction Manual

XT-5

Introduction

The XT-5 CO2 desktop monitor is designed to measure carbon dioxide making it ideal for monitoring indoor air quality in homes, businesses, offices, classrooms, or anywhere indoor air quality is important for occupant comfort. Poor indoor air quality can lead to drowsiness, inability to concentrate, and even illness.
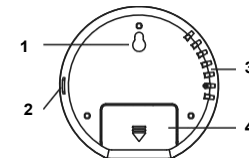
Features

- Large display shows CO2 levels
- Facial expression indicators for easy level indication
- NDIR CO2 Sensor for fast, accurate, and stable readings
- Fresh air calibration
- Powered by USB cable or rechargeable battery
- Modern rose gold desktop appearance
- Size: 2.9 x 2.8 x 1.0 in. (74mm x 71 mm x 27 mm)

Product Description

1. CO2 - carbon dioxide
2. Measurement reading
3. On / Off button
4. Facial expression indicator
5. PPM - parts per million
6. Charging indicator

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1. Wall mount
2. Micro USB plug
3. Sensor air vents
4. Battery compartment

Expression levels:

Green: 0- 800 PPM

Yellow: 801-1499 PPM

Red: > 1500 PPM

First Time Use

For the first-time use, please remove the separator paper in the battery compartment, then the battery can normally supply power to the instrument or use supplied USB cable. Press power to turn the device on. After the completion of a 30 second countdown the CO2 value will display.

Measurement

Place the monitor on a stable surface or wall-mount the device. Do not place it in an environment, where the air conditioner or fan blows directly on it.

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www.CO2Meter.com/pages/terms-conditions

Calibration

Use fresh, outdoor ambient air to calibrate the monitor to 400ppm.

Step 1: With the unit turned off press and hold the On/Off key for 15 seconds. You will see the display light up, wait until you see the display countdown from 600.

Step 2: Leave the device in fresh outdoor air during the 600/10min countdown. Walk away from the monitor so your breath does not influence the manual calibration.

Step 3: Upon completion, the screen should show approximately 400ppm.

Step 4: If the calibration is unsuccessful and the PPM level is below 300, repeat steps 1-3.

Carbon Dioxide Classification Guideline

400ppm – Normal outdoor air level.

400 ~ 1000ppm –Typical value level indoors with good ventilation.

*Note: if CO2 levels are low when building is sealed and occupied, check for over-ventilation (too much fresh air = energy wasted).

1,000ppm – OSHA/ASHRAE recommended maximum level in a closed room. Considered maximum comfort level in many countries.

> 1,200ppm – Poor air quality – requires ventilation.

2,000ppm – According to many studies this level of CO2 produces a significant increase in drowsiness, tiredness, headaches, lower levels of concentration and increased likelihood of spreading respiratory viruses like colds, etc.

About CO2 Storage Safety Codes

This device does not meet NBIC, NFPA or IFC requirements for bulk CO2 monitoring and alarms in restaurants, breweries, etc. Refer to our CO2 Safety Products page for devices that meet your needs, email us or call us at (877) 678-4259 toll free or speak with our technical sales team about purchasing the correct monitor/alarm.

Charging

The instrument displays LO (or is unable to turn on), which means that the battery is low. Please timely charge it to avoid affecting the operation. To reduce the charging time, it is recommended to turn it off before charging.

Charging indication lamp:
Red during charging; green after fully charged.

Product Specifications

Measuring object: Carbon Dioxide

Measuring range: 0 ~ 9999 PPM

Accuracy: ±70ppm or / ±5% reading (0~5000 PPM) Resolution: 1PPM

Automatic shutdown: 30 minutes Use

Time: about 4 hours

Charging time: about 3.5 hours

Working temperature: 0 ~ 50 ℃

Working humidity: 20 ~ 90% RH

Battery: Rechargeable 1/2 AA 14250 3.7V lithium ion

Size: 74mm × 71mm × 27mm

Weight: 60g

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