

A200-CO2



Introduction

The Aeropulse A200-CO2 is a high-performance CO₂ monitor designed to measure carbon dioxide (CO₂), temperature, and humidity. Equipped with Sensirion's state-of-the-art SCD43 CO₂ sensor, it delivers extended operation of over 500 days at a 30-minute measurement interval. The CO₂ measurement accuracy complies with ANSI/ASHRAE 62.1-2022 standards.

Key Features

- **Extended Battery Life:** Operates for over 500 days on 6 AAA batteries with a 30-minute measurement interval while connected to Wi-Fi.
- **Dual-Band Wi-Fi Connectivity:** Seamlessly connects to both 2.4 GHz and 5 GHz Wi-Fi networks.
- **Flexible Installation:** Designed for both wall-mounting and tabletop use, offering versatile placement options.
- **High-Precision Compliance:** Delivers industry-leading accuracy and complies with rigorous global building standards, including ANSI/ASHRAE 62.1-2022, California Title 24, RESET® Grade B, and the WELL Building Standard™ (WELL v2).
- **Customizable Settings:** Allows for easy adjustment of measurement and data upload intervals via the mobile application.
- **Remote Monitoring & Management:** Provides real-time access to data and device management through the complimentary Aeropulse dashboard and mobile applications.
- **Comprehensive Alerts:** Features a 3.7-inch color display for clear visual feedback, a multi-level CO₂ indicator, and a built-in buzzer for immediate audible alarms.

Sensors and Measurements

Carbon Dioxide (CO₂)

Range	400 - 5,000 ppm
Accuracy	±30.0 ppm ±3.0 %m.v.
Resolution	1 ppm
Technology	Photoacoustic NDIR

Temperature (°C)

Range	-40°C~125°C
Accuracy	± 0.2°C
Resolution	0.1°C
Technology	Digital CMOSens® technology (MEMS)

Humidity

Range	0% ~ 100% RH
Accuracy	± 1.8% RH
Resolution	0.01% RH
Technology	Digital CMOSens® technology (MEMS)

General Device Details

Wi-Fi	2.4&5 Ghz, 802.11b/g/h
Power Supply	6 AAA batteries or USB Type-C
Operating Temperature	0°C~50°C
Operating Humidity	10%~ 90% (non-condensing)
Local Data Storage	2 months at 15 minutes interval
Cloud Data Storage	2 years
Domensions	120mm*94mm*25mm
Weight	165g (not include battery)
LED & Buzzer	3.7 inch screen, AQI level indicator, buzzer alarm
Installation	Wall mount, ceiling mount, tabletop stand
Certifications	CE, FCC, RoHS, REACH
Modbus	Customizable