



Air Quality Monitor



Description

The KLABS Temperature, Humidity and Air Quality Monitor (Model: KAQM-2000) is designed to monitor indoor environmental conditions and air quality parameters in real time. The instrument measures carbon dioxide (CO₂), PM2.5 particulate matter, air quality index (AQI), temperature, and humidity, helping users maintain a healthy indoor environment.

The device uses NDIR infrared technology for CO₂ detection and laser scattering technology for PM2.5 sensing, ensuring accurate and stable measurement performance. The measured values are displayed on a 3.5-inch LCD screen, allowing users to easily monitor environmental parameters.

The monitor also supports WiFi connectivity through the TUYA mobile application, enabling users to transfer data to mobile devices for real-time monitoring and analysis. It supports both Android and iOS devices and multiple language options.

With its compact design and rechargeable lithium battery, the instrument is suitable for homes, offices, laboratories, classrooms, and indoor environments.



KAQM-2000

Features

- 3.5-inch LCD screen display for clear data visualization
- NDIR infrared CO₂ detection technology
- Laser scattering sensor technology for PM2.5 measurement
- Measures CO₂, PM2.5, AQI, temperature, and humidity
- WiFi TUYA mobile application support for data transfer
- Compatible with Android and iOS devices
- Adjustable CO₂ alarm threshold (800–2000 ppm)
- CO₂ alarm on/off function
- Rechargeable 2000 mAh lithium battery with USB charging
- Temperature unit switching between Celsius and Fahrenheit

Applications

- Indoor air quality monitoring
- Home and office environmental monitoring
- Classroom and workplace air monitoring
- Environmental monitoring laboratories

Uses

- Monitoring carbon dioxide concentration in indoor air
- Measuring PM2.5 particulate levels
- Monitoring temperature and humidity conditions
- Evaluating indoor air quality index (AQI)

Technical Specifications

Parameter	Specification
Model	KAQM-2000
Usage/Application	Indoor Air Quality Monitoring
Brand	KLABS
Material	ABS
Color	White
Dimensions	150 × 74 × 82 mm
CO ₂ Technology	Infrared (NDIR)
PM2.5 Sensor Technology	Laser Scattering
CO ₂ Detection Range	400 – 5000 ppm
PM2.5 Detection Range	0 – 999 µg/m ³
AQI Detection Range	0 – 500
CO ₂ Alarm Value	1000 ppm
CO ₂ Alarm Threshold	Adjustable (800 – 2000 ppm)
Battery	Rechargeable Lithium Battery
Battery Capacity	2000 mAh
Connectivity	WiFi TUYA App
Display	3.5-inch LCD Screen
Country of Origin	Made in India