



Multi-Function CO₂ Air Pollution Monitor



Description

The KLABS Multi-Function CO₂ Air Pollution Monitor (Model: KAQM-3000) is designed to monitor environmental air quality conditions in both indoor and outdoor environments. The device measures carbon dioxide (CO₂), PM2.5 particulate matter, temperature, and humidity, providing reliable real-time monitoring of air quality.

The instrument uses NDIR infrared technology for CO₂ detection and laser scattering technology for PM2.5 sensing, ensuring accurate and stable measurement results. The monitor features a clear digital display that allows users to easily observe air quality parameters.

With its compact design and rechargeable lithium battery, the device supports 24-hour continuous monitoring, making it suitable for homes, offices, laboratories, classrooms, and outdoor environments.

Features

- Real-time monitoring of CO₂, PM2.5, temperature, and humidity
- NDIR infrared CO₂ sensing technology
- Laser scattering technology for PM2.5 measurement
- 24-hour continuous monitoring
- Temperature unit switching (°C / °F)
- Compact and portable design
- Rechargeable 3000 mAh lithium battery

Applications

- Indoor air quality monitoring
- Outdoor environmental monitoring
- Office and workplace environments
- Laboratory monitoring

Uses

- CO₂ concentration monitoring
- PM2.5 measurement
- Temperature and humidity monitoring
- Air quality evaluation



KAQM-3000

Technical Specifications

Parameter	Specification
Model	KAQM-3000
Brand	KLABS
Usage/Application	Indoor and Outdoor Air Quality Monitoring
Material	ABS + Metal
Color	Silver
Dimensions	145 × 78 × 97.2 mm
Detection Parameters	CO ₂ , PM2.5, Temperature, Humidity
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
Battery	Rechargeable Lithium Battery
Battery Capacity	3000 mAh
Temperature Unit	Celsius / Fahrenheit Switch