



## Air Quality Monitor



### Description

The KLABS Multifunctional Air Quality Monitor (Model: KAQM-1500) is designed to measure multiple air quality parameters in indoor environments. The instrument is easy to operate and provides accurate monitoring of important air quality indicators.

This device can be widely used in homes, offices, vehicles, and other indoor environments to detect harmful pollutants present in the air. The monitor measures PM1.0, PM2.5, PM10 particulate matter, formaldehyde (HCHO), total volatile organic compounds (TVOC), temperature, humidity, and air quality index (AQI).

The instrument features a large LED color display, allowing users to easily read the monitoring results in real time. It also supports air quality data recording and analysis, helping users understand environmental changes over time.



**KAQM-1500**

### Features

- Measures PM1.0, PM2.5, PM10 particulate matter
- Detects formaldehyde (HCHO)
- Measures total volatile organic compounds (TVOC)
- Displays temperature and humidity
- Calculates air quality index (AQI)
- Large LED color display
- Real-time monitoring and analysis
- Compact and portable design

### Applications

- Indoor air quality monitoring
- Home and office environments
- Vehicle cabin monitoring
- Environmental laboratories

### Instructions for Use

- Place device in a stable environment before use
- Perform calibration after initialization
- Wait ~5 minutes for accurate readings
- Ensure sufficient battery level

**Technical Specifications**

<b>Parameter</b>	<b>Specification</b>
Display Method	2.8-inch LCD Screen, 320 × 240 pixels
Detection Method for PM	Laser Scattering
Product Size	164 × 69 × 44 mm
Weight	350 g
Color	Black
Operating Temperature	-10°C to 50°C
Storage Temperature	-10°C to 60°C
PM Concentration Unit	µg/m <sup>3</sup>
HCHO and TVOC Unit	mg/m <sup>3</sup>
Power Source	Lithium Battery
Battery Capacity	1500 mAh
Charging	5 V DC via Micro USB Port