5 in 1 Multi Function Air Quality Detector

KAQM-999

Description

The KLABS 5 in 1 Multi Function Air Quality Detector (Model: KAQM-999) is designed to monitor multiple harmful compounds present in the air. The device measures formaldehyde (HCHO), total volatile organic compounds (TVOC), PM1, PM2.5, and PM10, providing reliable information about indoor air quality.

The instrument provides accurate measurements in parts per million and micro grams per cubic meter. By monitoring these parameters, the device helps ensure that indoor environments remain safe and free from harmful airborne contaminants.

Formaldehyde detection is one of the key applications of this device. When present in the air at levels higher than 0.1 ppm, formaldehyde may cause health effects such as irritation and breathing discomfort.

Key Features

- Detects PM1, PM2.5, PM10, HCHO, and TVOC in the surrounding air
- Advanced laser scattering detection technology for particulate matter
- Built-in 1200 mAh rechargeable lithium battery
- One-key calibration function for easy operation
- High-performance 32-bit three-core ARM processor for accurate readings
- Compact and portable design suitable for indoor air monitoring

Health Effects of High Formaldehyde Levels

- Watery eyes
- Burning sensation in the eyes, nose, and throat
- Coughing
- Wheezing
- Nausea
- Skin irritation

Instructions for Use

- Place the air quality detector in a stable indoor environment for at least one hour before first use or after long periods of inactivity.
- Perform calibration before detection after the device initialization process.
- For accurate readings, wait approximately 5 minutes before observing the test results.
- If the battery level is low, measurement accuracy may be affected.

Package Includes

- 1 × Air Quality Monitor
- 1 × Charging Data Cable
- 1 × User Manual
- 1 × Retail Box

Technical Specifications

Parameter	Specification
Test Items	HCHO, TVOC, PM1, PM2.5, PM10
HCHO Test Range	0 – 1.999 mg/m³
PM1 / PM2.5 / PM10 Test Range	0 – 999 μg/m³
TVOC Test Range	0 – 9.999 mg/m³
Display Mode	LED Display
Sensor Technology	Semiconductor Sensing Technology
Processor	32-bit Three-Core ARM Processor
Battery	Rechargeable Lithium Battery
Battery Capacity	1200 mAh
Input Power	5.0 V / 300 mA