



## Air Detector



### Description

The KLABS Air Detector (Model: KAD-999) is designed to monitor the levels of various harmful compounds present in the air. The device provides accurate measurement of air pollutants and helps ensure that indoor environments are free from harmful particles.

One of the most common applications of the device is the measurement of formaldehyde (HCHO) levels. When formaldehyde concentration exceeds 0.1 ppm, it may cause health effects for some individuals. This detector allows real-time monitoring of air quality to maintain a safe environment.

The instrument supports monitoring of PM1.0, PM2.5, PM10, TVOC, HCHO, temperature, and humidity, making it suitable for environmental monitoring and indoor air quality analysis.



**KAD-999**

### Features

- Color display with pollution level indication
- Measures PM1.0, PM2.5, PM10, and dust particles
- Temperature and humidity monitoring
- High precision with stable performance
- User-friendly operation
- Auto power-off after 2 minutes
- Suitable for indoor and outdoor use

### Applications

- Indoor air quality monitoring
- Environmental laboratories
- Public environment monitoring
- Industrial air testing

### Uses













- Monitoring harmful air pollutants
- Detecting formaldehyde (HCHO) levels
- Measuring particulate matter (PM1.0, PM2.5, PM10)
- Monitoring temperature and humidity

**Technical Specifications**

Parameter	Specification
Model	KAD-999
HCHO Test Range	0.000 – 1.999 mg/m <sup>3</sup>
TVOC Test Range	0.000 – 9.999 mg/m <sup>3</sup>
PM1.0 / PM2.5 / PM10 Range	0 – 999 µg/m <sup>3</sup>
Temperature Range	0 – 50 °C
Humidity Range	20 – 90 % RH
Battery Capacity	1200 mAh
Input Power	5.0 V / 1 A
Charging Time	3 Hours
Operating Duration	4 Hours
Product Dimensions	151 × 69 × 45 mm
Display Mode	LCD

**12 functions 24-hour real-time monitor**

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 <b>HCHO</b>	Accurate Detection for formaldehyde		Air convection system
 <b>pm2.5</b>	PM2.5 Air quality monitoring		Real time temperature monitoring
 <b>pm10</b>	PM10 Air quality monitoring		Real time humidity monitoring
 <b>pm1</b>	PM1 Air quality monitoring		Air quality Record and analysis
 <b>TVOC</b>	Detection for TVOC		24 hours a day for Air detecting
 <b>Calculator</b>	Smart Calculator HCHO & PM2.5		Memory calibration