



## BRAMC BR-SMART-123SE Air Quality Monitor Formaldehyde / TVOCs



SKU: BRSMART123SE  
Manufacture warranty period: 12 months  
Country of Origin: China

### Product overview

BR-SMART-123SE portable handheld 2-in-1 air quality monitor is a real-time air quality monitoring instrument used to detect formaldehyde (HCHO) concentration and VOCs in the indoor environment. This product uses high-precision sensor chip and operation, will convert formaldehyde and VOCs concentration in the air into visual data, to monitor the air quality, provide effective protection for family health. More set up a professional man-machine interface interaction, accurate display of data change curve, external TF memory function, maximum support 8G TF card, storage capabilities more powerful, can clearly monitor the air.

### Product Highlight

- More accurate—High precision formaldehyde sensor, accurate resolution of 0.01mg/m<sup>3</sup> free formaldehyde molecules
- More credible—High-performance VOCs sensor imported from FIGARO

### Product Features

- Can detect a variety of pollutants, including formaldehyde, VOCS etc.
- 2.4-inch large screen, grainy low, high pixel, large visual range
- Active air interactive system, silent fan, lower noise, longer life expectancy
- Sampling work more than 10 hours, long standby 30 days without charging
- Accurate data curve drawn, the trend of air changes at a glance
- TF external memory card expansion, can store up to more than 10,000 records



## Product specifications

- **Formaldehyde (HCHO) measurement technology index:**
  - Measurement method: Electrochemical Sensor
  - Measuring range: 0 to 1.000mg /m<sup>3</sup>
  - Resolution: 0.001mg /m<sup>3</sup>
  - Accuracy: ±20% of reading or ±0.03mg /m<sup>3</sup>
- **TVOCs measurement technology index:**
  - Measurement method: Semiconductor Sensor
  - Measuring range: 0 to 9.999mg /m<sup>3</sup>
  - Resolution: 0.001mg/m<sup>3</sup>
  - Accuracy: ±20% of reading or ±0.3mg /m<sup>3</sup>
- Display mode: 2.4" TFT color screen
- Battery power indicator
- Storage: 10,000 records
- Data record interval at every 1 minute
- Data record measure duration:
- Continuous Mode
- 10 mins mode
- 15 mins mode
- 20 mins mode
- Built-in Rechargeable Battery (2200mAh)
- Power adapter:
  - Input voltage: AC220V, 50/60Hz, 0.45A
  - Rated output voltage: DC5 V
  - Rated output current: 500mA

### Environment for use

- Temperature range: 0 to 50 °C
- Humidity range: 0 to 90%RH
- Pressure: 1 standard pressure

### Product Dimension:

- 140 x 65 x 40mm
- Weight: 220g

### Package included:

- 1 x 123SE Monitor
- 1x 128MB Micro SD Card
- 1 x Data/Charging cable
- 1 x User Guide

### Product Dimension:

- 190 x 110 x 80mm
- Weight: 0.4 KG



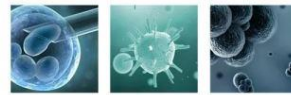


## TVOC sensor

Capturing subtle organic compound concentration changes



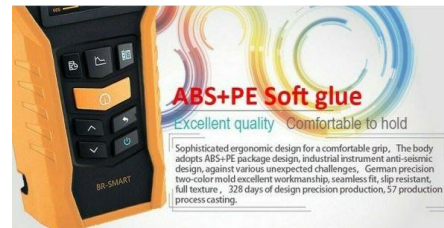
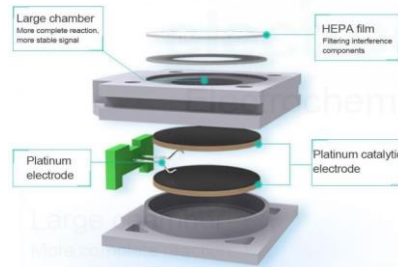
Ethanol Ammonia Esters



Benzenes Aromatics Alkanes

## Dual platinum catalytic electrode technology

Electrochemical formaldehyde sensor



## 24 2018 New Generation Air Quality Monitor comprehensive functions

<b>HCHO</b> Electrochemical sensor	<b>TVOC</b> Japanese FIGARO sensor	<b>Data storage</b> TF memory card	<b>Double platinum catalytic electrode technology</b> Larger reaction area, more stable current signal	<b>Sensor calibration</b> Correct sensor offset	<b>4 testing mode</b> Multiple working modes	<b>Human-computer interaction</b> Quick use	<b>3-way airflow interaction perception</b> Increased sensitivity
<b>VOS-SENSE</b> Gas identification algorithm	<b>X-PRO optimization algorithm</b> Reduce effect of interfering gas	<b>16-bit AD processing chip</b> Thousand-level signal resolution	<b>CORTEX-level ARM core processor</b> 480Hz high frequency processor	<b>2200mah lithium battery</b> long time standby	<b>PE soft rubber shell</b> Energy absorption seismic design	<b>Ergonomic design</b> Quality design craftsmanship	<b>10W+ data record storage</b> Large-capacity data storage
<b>Environmental pollution assessment</b> Comprehensive measurement of air quality	<b>Pollution alarm</b> Beep alarm	<b>History query</b> Monitoring aldehyde removal	<b>Data curve trend</b> Observe hazard change	<b>TFT liquid crystal display</b> 2.4 inch display	<b>English operation interface</b>	<b>Double thousand data display</b> 3-digit accuracy measurement	<b>3-way metal filter mesh</b> Effective filtration protection

