

# BR-Smart



# BR-Smart

## Precautions

### ■ Precautions for use

- 1 There is a trace amount of chemical gas in the product package. When using for the first time, please place the device in a clean and ventilated environment for 8 hours of power-on, then restore factory settings before use, it can effectively release the adhesion charge on the surface of chemical coating.
- 2 After the device is turned on, the sensor needs to warm up and start reading. The device can adjust the warm-up time automatically according to the using time interval. The general warm-up time is 1-3 minutes, and long time unused warm-up time is 3- 5 minutes. To ensure accurate readings, please test more than 20 minutes to start reading.
- 3 As the formaldehyde sensor basic principle is a chemical reaction, it will be affected by other interference gases, such as alcohols, hydrocarbons, carbon monoxide, ethanol, perfume, cigarettes and cooking fumes, etc..In order to obtain accurate measurement results, please avoid the interference of human activities during use, like cooking, smoking, drinking and so on.
- 4 If the device has not been used for a long time, please put it in the clean ventilation place for 2 hours before use.
- 5 The sensors may drift after prolonged use. User can place the monitor outdoor with clean air environment to recalibrate the sensor.
- 6 Do not use this product for a long period of time in PM<sub>2.5</sub> or PM<sub>10</sub> greater than 999  $\mu\text{g}/\text{m}^3$ , formaldehyde concentration greater than 1mg /  $\text{m}^3$  or TVOC greater than 9.9mg /  $\text{m}^3$  environment. Long-term exposure to high concentration of air pollution will cause damage to the sensor or the device cannot work properly.

## ■ About products

- 1 BR-Smart series is equipped with high-precision sensors and circuits, therefore should be kept in a dry, level and shaded location.
- 2 This product should be placed in the space with slow air draft during use. Strong wind maybe affect the results.
- 3 Do not cover the detection port and exhaust vent during use.
- 4 Never place any heavy objects on top of the unit to avoid any damage to the air monitor.
- 5 This product is not waterproof and should avoid contact with water. In case of dropped into water or splashed with any liquid, turn off the power immediately and contact the customer service.
- 6 Never use this product in the rain, snow or wet environment.
- 7 Never insert spines, flammable substances or metal objects into the vent or power supply socket. Electric shock or fire may be caused.
- 8 Keep out of the reach of children, to prevent children from disassembling and swallowing parts.
- 9 Do not attempt to disassemble or repair the product other than by the authorized service shop. Machine fault, electric shock or fire may occur by un-authorized personal. Please call the customer service if you have any questions. BLATN will not be responsible for any losses/damage/injury from unauthorized disassemble or repair.
- 10 Place the machine in a flat and safe surface to avoid accidental dropping.
- 11 Turn off power supply immediately if the machine makes abnormal noises/burnt smell/smoke or on fire and contact the repair center immediately.
- 12 The machine screen does not prompt for charging information when it is turned off for charging, it can be fully charged after 4-6 hours in the OFF state.

## ■ About the use

### Cross interference

Formaldehyde sensor adopts high precision electrochemical sensor. Due to the electrochemical reaction characteristics of the sensor to the target response, other gas also can produce the following responded characteristics to the gas sensor for interference. Please avoid measuring in the following gas environment, so they may affect the data accuracy.

Gas	Concentration	Formaldehyde sensor
Hydrogen sulfide	100 ppm	3.7 ppm
Ethanol	2000 ppm	76.3 ppm
Formaldehyde	10 ppm	10 ppm
Chlorine gas	10 ppm	0.1 ppm
Sulfur dioxide	20 ppm	0.8 ppm
Hydrogen gas	500 ppm	5.5 ppm
Ammonia gas	50 ppm	0 ppm
Monochloromethane	5 ppm	0.1 ppm
Ethylene oxide	10 ppm	0.5 ppm
Benzene	100 ppm	0.1 ppm
Acetone	100 ppm	0.2 ppm
Methanol	200 ppm	23.9 ppm

- A high value will be displayed when the machine is used for the first time or left unused for a long period of time. The values will return to normal levels after 10-30 minutes. When the machine is used for the first time, the values will collaborate more quickly if the unit is placed at a location with good ventilation.
- The room should be closed for 12 hours for better monitoring accuracy before use. Due to the different concentrations of different pollutants in the same space, the air monitor can be take reading at several positions in order to get the most comprehensive measurement.

- During normal operation, the air monitor should avoid contact with alcohol, perfume and high-concentrated hydrogen sulfide, carbon monoxide, sulfur dioxide, hydrogen, smoke and gas. These substances may affect the reading or damage the air monitor.
- Do not directly measure the smoke or other high pollution concentrations of gas; otherwise it will damage the sensor.

## Fault description >>>

### ■ No display

Please check if the battery is charged. If still no display, please contact the service center.

### ■ Data fault

Change test environment or restart the air monitor. If the problem persists, please contact the service center.

## Product packing list >>>

Air quality monitor unit .....	1X
USB cable .....	1X
Product Manual .....	1X

## Customer service and warranty clauses >>>

BLATN Science & Technology (Beijing) Co., Ltd. will provide comprehensive after-sales service for our customer

- BLATN air quality monitor provide a 1-year warranty from the date of purchase.

## After-sales supplementary terms

The above services do not cover the following items:

- (1) Any unauthorized disassembly and modification of the product.
- (2) Damage caused by falling during usage and transportation.
- (3) Lack of regular maintenance.
- (4) The operation not in accordance with the product manual.
- (5) The fault caused by improper repair by unauthorized service centre.
- (6) Fail to provide warranty cards or invoices.
- (7) The warranty card is modified, or product information is inconsistent with the actual machine.
- (8) The faults caused by unforeseen natural event such as earthquake, fire, war, lightening strikes.
- (9) The faults caused by using other unauthorized parts or accessories.



### Notice

BLATN owns the copyright of this product and the product manual. Due to product upgrade, BLATN reserves the right to modify or update this product manual without prior notice.

Before using this product, please read this manual thoroughly, and pay attention to the information relevant with the product installation, use and maintenance. BLATN - Beijing will not be responsible for any personal property damage or injury caused by misuse of this product.

## Warranty Card and Certification

<b>Purchase Date</b>	
<b>Serial No.</b>	
<b>Retailer</b>	

**BLATN**  
Warranty Card

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Certification

**Inspection Date:**

**Inspector:**

**Customer Service**  
**[service@blatn.com](mailto:service@blatn.com)**

# BLATN

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