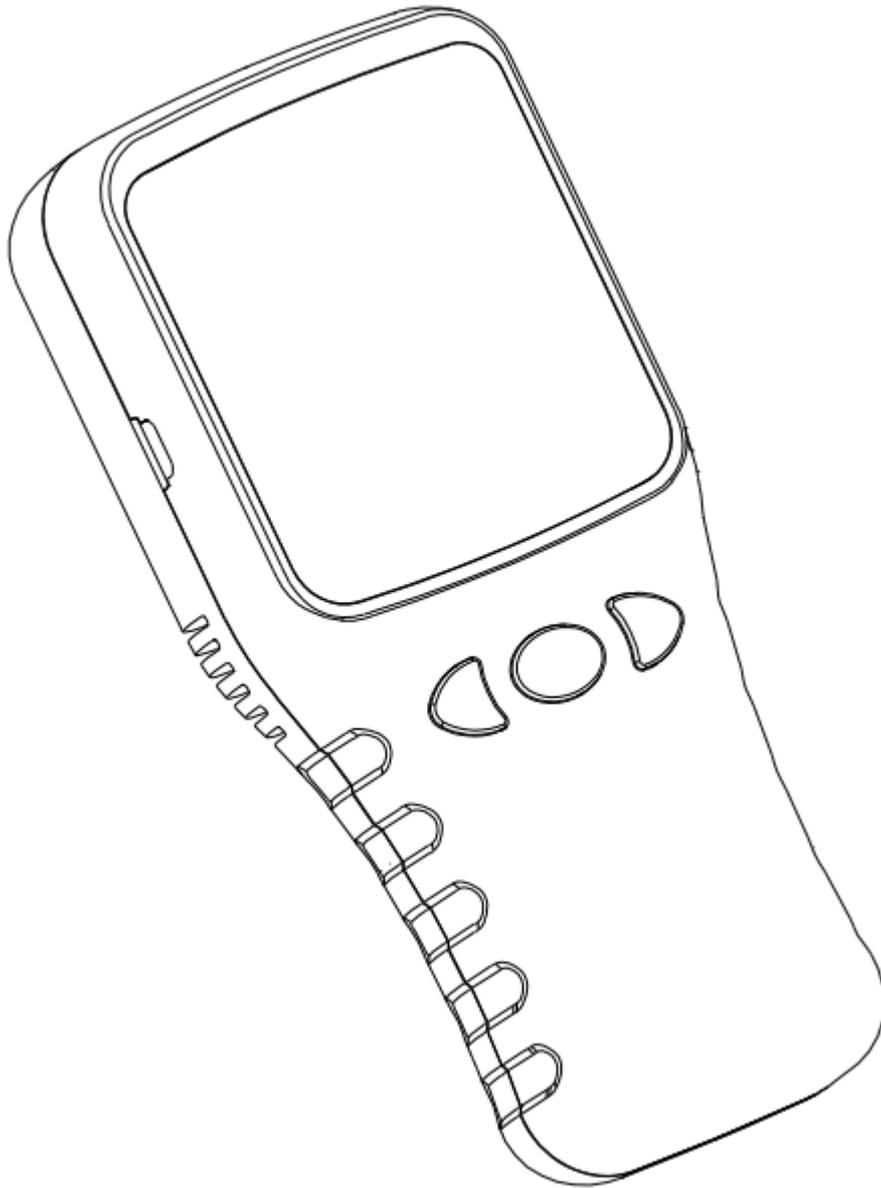

SM-8600

6 IN1 portable air quality detector

Instruction manual



Statement:

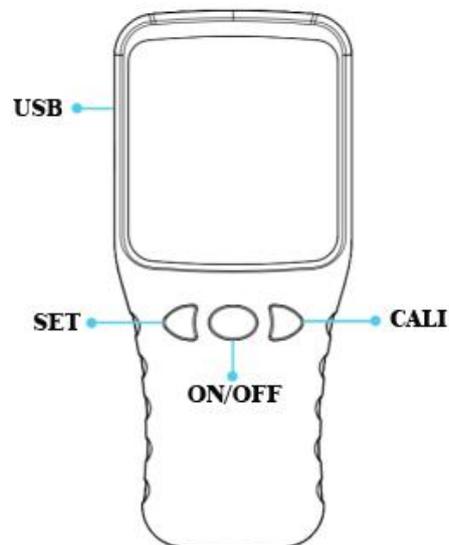
Thanks for purchasing our product. SM-8600 is 6 IN1 portable air quality detector. It can detect PM2.5, PM10, CH₂O, VOC, temperature, humidity, air quality index parameters. In order to get better security and effectiveness, please take note of the following:

1. Please read the manual carefully before operating the machine.
2. Let the machine be turned on for 1 hour before starting Formaldehyde and toxic gas detection (new machine).
3. Please calibrate machine in place of ventilate and full of fresh air before testing for formaldehyde or VOC. Please do not put the module in organic solvent (include silica gel and other cementing compound), painting, medicament, oils and fuels, high concentration gas etc.
4. Do not block the vents of sensor, which will affect the machine to work properly.
5. Please avoid using in high temperature or flammable gas, liquid environment.
6. Damaged machine should be attended by qualified technician..
7. Children are prohibited to operate.
8. Built-in rechargeable aluminum battery, please do not put machine in high temperature environment.
9. We are devoting ourselves to products development and technical innovation, so we reserve the right to improve the products without notice.

Application:

1. This product is suitable for indoor.
2. Do not use this product in an environment with severe temperature and humidity.
3. Do not use this product in environment of severe dust pollution to avoid blocking the ventilation.
4. Please do not drop the machine.

Key Description:



SET button: the machine requires warm-up time 60 seconds to achieve the best performance; long press the button for 3 seconds to cancel the warm-up

ON / OFF key: long press button for 3 seconds to turn on or turn off machine

CALI key: put machine in place of ventilated fresh air for 5-10 minutes, long press CALI KEY for 3 seconds to calibrate.

Operation:

1. Sensor require **warm up** when the machine is turned on; the device will not work until the countdown ends. While in warm-up mode, you can press the SET button to set it into test mode.

2. If there is error in detecting the value of formaldehyde and VOC gas, you can calibrate the machine. Calibration method: put the machine in ventilated fresh air environment and long press the calibration key to calibrate it.

3. Machine is built-in high-performance rechargeable aluminum battery. Make sure the battery is fully charged before use; otherwise it will affect the sensor performance

Specifications:

| Terms | Parameters |
|-----------------------|----------------------------------------------------------------------------------------|
| voltage | 5V |
| Capacity | 2000mAH |
| Power supply | USB |
| average current | 220mA |
| Measure Parameters | PM2.5, PM10, VOC, Formaldehyde, temperature, humidity, air quality index |
| operating Temperatrue | 0-40°C |
| operating humidity | 20%RH~80RH% |
| Warm-up | 30 seconds |
| Response time | <3S |
| range | PM2.5: 0-1000ug/m3 PM10: 0-2000ug/m3 CH2O: 0-1.999mg/m3 VOC: 0-9.999mg/m3 |
| Resolution | PM2.5: 1ug/m3 PM10: 1ug/m3 CH2O: 0.001mg/m3 VOC: 0.001mg/m3 |
| Accuracy | 3% |
| Weight | 200g |
| Dimensions | |

Air Pollutants table

PM2.5(ug/m3) GB3095-2012

| Concentration | Air quality |
|---------------|----------------------|
| 0--35 | Good |
| 35--75 | Moderate |
| 75--115 | Lightly Polluted |
| 115--150 | Moderately Polluted) |
| 150--250 | Heavily Polluted |
| >250 | Severely Polluted |

PM10(ug/m3) GB3095-2012

| Concentration | Air quality |
|---------------|----------------------|
| 0--50 | Good |
| 50--150 | Moderate |
| 150--250 | Lightly Polluted |
| 250--350 | Moderately Polluted) |
| 350--420 | Heavily Polluted |
| >420 | Severely Polluted |

Product List:

1pcs Detector

1pcs Data cable

1pcs User Manual

Warranty Card

Product warranty instructions

In order to enjoy better product service, please carefully read the following:

The following conditions are not included in warranty

1. Not following the product manual to operate, maintain or storage, which lead to equipment damage
2. Tear off, modify the product label.
3. Exceeded the warranty period.
4. Unauthorized Disassemble of equipment, artificially damaged equipment

Product name: _____

Warranty Time: _____

Customer Name: _____

Tel: _____

Customer Address: _____