

Temtop

LKC20T

Product Overview

The laser particle detector is a device which can detect the real-time PM2.5 and PM10 concentration in the air and can meet PM2.5 and PM10 test requirements on various occasions, reflecting the pollution status of PM2.5 and PM10 in time to guarantee your health in the indoor environment.

Appearance



- 1 Power key: turn on/off the detector.
- 2 Air inlet: the inlet of flowing air
- 3 Display screen: display the detection data and basic information
- 4 Hold key: Set operating mode
- 5 USB charging port: used for charging

Product Specifications

3.1 Lithium battery

The power of the product is supplied by the lithium

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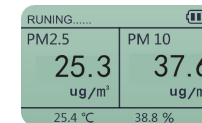
battery, the capacity of which is 3000mAh. The detector has the function of indicating the battery power, which can be used for more than 12 hours in detection.

3.2 Charger

Recommend using the charger whose output is 5.0V-1A; USB port on the computer is also OK.

Special reminder: The computer's USB port cannot guarantee the enough supply of electric current and may prolong the charging time. If the battery power runs out, the detector may not be turned on at the beginning of charging. Please try to turn on the detector after charging it for one hour.

3.3 Display screen



The display screen reminds you of the current status of the detector. The data of PM2.5, PM10, temperature, humidity and the current operation mode as well as the battery power are shown on the display interface at the same time. When the detector is working normally, it will show "RUNNING"; when the detector is in the HOLD mode, it will show "HOLD".

3.4 Operating environment

Temperature range: 0~50°C (32~122°F)

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Humidity range: 0~90%RH
Atmospheric pressure: 1atm

3.5 Measurement index and range

PM2.5 : 0~999.9 ug/m³,resolution: 0.1 ug/ m³
PM10 : 0~999.9 ug/m³,resolution: 0.1 ug/ m³
Temperature: 0-50°C, resolution: 0.1°C
Humidity: 0-90%RH ,resolution: 0.1%RH

Operation Method

4.1 Power key

Press the power key to turn on the detector and then it will enter the normal display interface. If you intend to turn off the detector, please press the key for more than 2 seconds until the power is off.

4.2 Hold key

While the detecor is turned on, you can press the key to enter Hold mode. Then the data of particles will be stopped updating and keep showing the current value.but the data of temperature and humidity will still keep updating. When the detecor is turned off, the Hold key will be ineffective.

Notice

- 5.1 The sensor for detecting PM2.5 and PM10 concentration uses laser testing principle, so try to prevent batting, hair, etc. entering the detector to make sure the accuracy of test data.
- 5.2 Please do not put the detector in the environment

- where the concentration of particles is more than 500ug/m³ for long time. Long-time exposure to high-concentration air pollutants will damage the sensor and make it work improperly.
- 5.3 Avoid using the detector in humid environment to make sure the accuracy of testdata.
- 5.4 The detector is a precision instrument. Please do not bump, strike or drop it.
- 5.5 Please do not cover the air inlet or air outlet during use.

Packing List

Laser particle detector1piece
USB cable.....1piece
User manual.....1 piece