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AiRead M3

USER'S GUIDE

I. Product introduction

Air inlet

Air outlet

Display screen

USB charge port

Functional key

RESET key (back)

SIM card slotl (some models use)

Air inlet: flowing air inlet

Air outlet: flowing air outlet

USB charge port: for the haze meter charging

POWER key: for startup & shutdown, return and page turning

MODE key: for switchover, page turning, menu selection

HOLD /SELECT key: for confirmation, HOLD and entrance.

Display screen: display screen of equipment, to show the test data and basic information

II. Description of Functional Application

1. Startup operation

Startup operation: Long-press the POWER key for 3 seconds at off status to start up the haze meter; after the numerical value basically becomes stable, the value displayed is the real-time air quality test data.

2. Shutdown operation

Shutdown operation: Long-press the POWER key for 2 seconds at on status to shut down the haze meter; the haze meter supports automatic shutdown. You may set automatic shutdown time on the setting interface;

Note: If the electric quantity is used up, the haze meter may not be started up when

the charging starts. Please try to start it up after the meter is charged for several minutes; to extend the service life of battery, please charge it periodically if you do not use if for a long period. It is recommended to charge it once every 3 months.

3. Functional operation

During operation, the display interface of haze meter is classified into main interface, particulate matter data interface and setting interface. You may click POWER key or MODE key at the startup status to switch the main interface, particulate matter data interface. There are functional indications corresponding to three keys at the bottom of haze meter screen. Long-press the MODE key to enter the setting interface.

1) Main interface:

After the haze meter is started, the main interface will appear by default. The main interface shows the measured real-time value of haze meter, including PM2.5, carbon dioxide, PM10, PM1.0, temperature and humidity. Meanwhile, different pollution degree and corresponding color indication bar will be shown according to different values;

Click the HOLD key on the main interface, and the haze meter will enter HOLD mode. At this moment, the test is paused, and the value remains unchanged.

2) Particulate matter data interface:

Click the MODE key to switch to the particulate matter data interface which shows concentration and quantity of particle with different particle sizes.

3) Historic record interface:

Click "Record" on the particle matter interface to enter the historic record interface which will show the historic record of PM 2.5 and carbon dioxide.

4) Setting interface:

Long-press MODE key to enter the setting interface. You may set the common

parameters of haze meter on the setting interface, e.g., automatic shutdown time, automatic screen off time, automatic HOLD time, user environment parameter calibration, theme background and language selection. Select corresponding parameter item and click “Confirm” to enter the interface for changing the detailed parameters. Select different parameter settings according to the actual demand.

4. Battery charge

Connect the haze meter to the power adapter (5V DC 1A) or computer USB port with USB line to charge the battery (charging is available at startup and shutdown status). After the battery power is used up, the haze meter will be shut down automatically. Before

shutdown, the battery empty icon will be shown.

special tip: The charging time is about 5 hours at shutdown status. It is recommended to use the charger with the output of 5.0 V - 1.0A. Sufficient current cannot be guaranteed and charging time may be extended if computer USB port and other chargers are used for charging.

5. Safety Precautions for Battery Use

The lithium battery is hazardous to some extent. The user shall not try to disassemble the battery. Explosion may be caused in case of forced disassembly or battery replacement. Explosion may be also caused if the battery is thrown into the fire. Keep the battery and device dry, and keep it away from water or other liquid, for fear to cause short circuit. Do not use the battery if the battery is damaged, deformed, discolored, overheated or has peculiar smell. Please dispose the used waste battery according to the manufacturer' s instruction.

Special tip: If the electric quantity is used up, the haze meter cannot be started possibly when the charging starts. Please try to start up after charging for 30 minutes, or

press the RESET key to start up.

III. Common Problems and Solutions

1. The haze meter cannot be started for the first use:

Please charge the haze meter with 5V 1A charger for 30 minutes and then start up the haze meter.

2. The haze meter cannot be charged:

Please charge the haze meter with the adapter with output voltage of 5 V and output current of 1A above.

3. High PM2.5 value of haze meter:

The moist environment will affect the detection accuracy of AiRead M3. Do not use it under moist environment and do not place the AiRead M3 on the humidifier.

Do not disassemble the haze meter by yourself in the event of other conditions.

Please timely dial our after-sales service phone number: (+86) 010-61705699

4. Unchanged carbon dioxide value:

In the event of unchanged carbon dioxide value, please re-start the haze meter, and

put it at the ventilated place statically for more than 10 minutes.

Ⅳ. Maintenance and Notes

1. Notes for storage

The PM2.5 detection principle of AiRead M3 is laser principle, so do not let hairs and batting enter the device in service. Otherwise, the detected value will be affected. The moist environment will affect the detection accuracy of AiRead M3. Do not use AiRead M3 in the moist environment.

2. Avoid bump and drop

AiRead M3 is a precise detection instrument. Avoid bump, heavy strike, water inlet and drop, etc.

3. Periodic charging

To extend the battery service life. Please charge it once every 2-3 months if the meter is not used for a long period.

4. Do not disassemble the meter

The haze meter contains precise components. Do not disassemble AiRead M3 by yourself.

Ⅴ. Packing List

After unpacking, please check whether the host is in good conditions and whether the accessories are complete. If parts are missing or damaged, please timely contact the distributor.

1. AiRead M3 2. User manual 3. Certificate 4. USB cable

VII. Contact Information

If you have any doubt in use, please contact our technical service personnel to help you.

Nationwide service phone: (+86)010-61705699

Official website: www.hwlantian.com

Wechat:13241882470

Name and content table of Toxic and harmful substances or elements in the product

Component name	Toxic and harmful substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyl (PBB)	Polybrominated diphenyl ethers (PBDE)
Motherboard of Hanvon Haze Meter	X	O	O	X	O	O
Shell of Hanvon Haze Meter	O	O	O	O	O	O
Packaging material	O	O	O	O	O	O
Assembly material	O	O	X	O	X	X

O:it indicates that the content of Toxic and harmful substances in all the homogeneous materials of the component is below the limit stipulated by the SJ/T11363-2006 standard.

X: the places with "X" in the table indicate that our company has not yet tested the corresponding Toxic and harmful substances of the component or the test is underway, so whether the Toxic and harmful substances in the component are beyond the limit stipulated by the SJ/T11363-2006 standard can't be sure.

FCC Warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television

reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value.

Before a new device is a available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, Tests for each device are performed in positions and locations as required by the FCC.

Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

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• Webpage instructions •

In order to strengthen the accuracy and completeness of this manual, the manufacturer may update the information in the text without notice. Please take the official website as the main explanation. Beijing Hanwang Blue Sky Technology Co., Ltd. reserves the right of final interpretation of this manual. Failure to install, use, and maintain the equipment in accordance with this manual will result in damage to the equipment. The company does not assume any responsibility.