

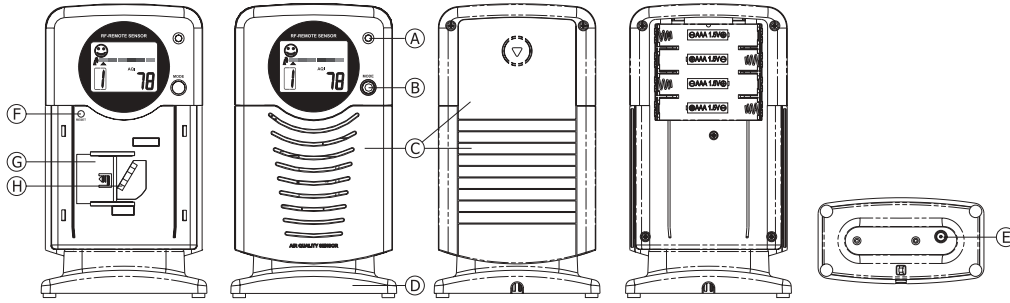
# RF Wireless Air Quality Sensor

Model: 001A21

## USER'S MANUAL

Congratulations on your purchasing this New Air Quality Sensor. This unique product was designed for everyday use at home or office and it is a definite asset of great use. To fully benefit from all the features and understand the correct operation of this product, please read this manual thoroughly.

### MAIN FEATURES



### DESCRIPTION OF BUTTONS

- A. RED LED INDICATOR: blinks when RF transmitting.
- B. [MODE] BUTTON
- C. BATTERY DOOR
- D. STAND
- E. AC/DC ADAPTOR SOCKET
- F. [RESET] BUTTON
- G. SENSOR COVER (for cleaning)
- H. SENSOR LENS

### Functions of the wireless Air Quality sensor

This Air Quality sensor is a precision instrument that displays Air Quality Index (which help to understand what local air quality means to health, and the table below shows the detailed information), color indicator, health level and comfortable face icon. And the device transmits the data continuously to the receiving unit to bring you the latest information. This product adopts wireless 433 MHz technology, which can transmit data at the maximum distance of 30 meters (100 feet) in an open area.

Air Quality Index (AQI)	Levels of Health concern	Colors
When the AQI is in this range:	Air quality conditions are:	As symbolized by this color:
0 to 50	Good	Green
51 to 100	Moderate	Yellow
101 to 150	Unhealthy for Sensitive Groups	Orange
151 to 200	Unhealthy	Red
201 to 300	Very Unhealthy	Purple
301 to 1023	Hazardous	Maroon

### Power supply

The user can select battery supply (just for spare use), and/or the special adaptor for continuous power supply.

#### For battery installation:

1. First pull the stand out of the device, and remove the battery door.
2. And then insert 4 AAA size batteries according to "+", "-" polarity marks inside the battery compartment.
3. Close the battery door and install the stand

#### To enable the continuous power supply:

1. First plug the adaptor into the socket at the bottom side of the device.
2. Plug the power adaptor into the electrical socket.

### Getting Started

At power on, LCD full display for 3 seconds. Then the remote sensor will automatically transmit registration codes to the receiving unit, together with LED indicator blinking and the icon flashing. And the face icon, color indicator, AQI, and health level will be displayed on the LCD of the sensor unit. If the transmission is successful, the display of the receiving unit

will show a new channel number, AQI, face icon, and color indicator. If not, you can also press and hold "MODE" button for 2 seconds to send the signal manually to the receiving unit.

### Installation of the Air Quality Sensor

Locating the remote sensor in an open area can attain a maximum 30-meter transmission distance. Actual transmission distance can be reduced by interference from building, obstruction or a screen between the remote sensor and the receiving unit. The user can use the stand to enable the horizontal surface mounting.

**Note: In order to get good air convection, the front panel of the device should be cleared of obstructions.**

### To reset the device

The RESET button allows you to return all settings to factory set values. The button is required only when the device is not operating in a good way, such as in rare case of malfunction. Slide to open the battery door of the device, and use a pointer to press the RESET button. The device will be reset and all data will initiate with default values.

### Sensor cover

In normal operation, the user cannot slide open the cover and doing so will have bad effects on the testing values. If the device operates with the lower sensitivity, please slide open the cover, and clean the lens with a clean swab and ethyl (denatured) alcohol. Do not use rubbing alcohol. Generally, the user just needs to clean the lens once a year.

### Battery replacement

The device is equipped with the low battery detection. And when the low battery icon is displayed on the LCD, please replace the batteries as necessary.

**Note: In order to protect our environment, please dispose of the used batteries properly. Do not burn or bury them. And do not mix new and old batteries, as the latter may leak.**

### Maintenance

1. In view of safe operation, alterations to this device are strictly prohibited.
2. Do not immerse the device into water. If the device comes in contact with water, dry it immediately with a soft lint-free cloth.
3. Do not clean the device with abrasive or corrosive compounds, which may scratch the plastic parts and corrode the electric circuit.
4. Do not subject the device to excessive force, shock, dust, temperature or humidity, which may result in malfunction, a shorter electronic life span, damaged batteries or distorted parts.
5. Do not temper with the device's internal components, which will terminate the device's warranty and may cause unnecessary damage. The device contains no user-serviceable parts.
6. Do not leave used-up batteries in the device (even leak-proof batteries) as they may corrode and release chemicals that may damage this product and also be dangerous to health.
7. This product is not to be used for medical purposes or for public information.

### Specifications

AQI range: 0~1023  
 Transmission range: 30 meters (100 feet) in open area  
 Adaptor: DC 6V, 300mA  
 Battery: DC 1.5V size AAA x 4 pieces

**Note: During the electrostatic discharge, the device may malfunction. Please press the Reset button to return to normal operation.**

"Modifications not authorized by the manufacturer may void users authority to operate this device"

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 not cause harmful interference to radio 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.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.