

***Temptop***

**AIRING-1000**

# Appearance



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① Screen

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② Control Panel

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③ USB Port

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④ Air Inlet

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⑤ Air Outlet

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# Functions



Fig 2.1 Display

## Display

### ① PM2.5

Display real-time concentration of PM2.5 in current environment, unit  $\mu\text{g}/\text{m}^3$ .

### ② PM10

Display real-time concentration of PM10 in current environment, unit  $\mu\text{g}/\text{m}^3$ .

### ③ PM2.5 Concentration History

Record the average PM2.5 concentration every 10 minutes.

### ④ Temperature and Humidity

Display real time temperature and humidity of the environment.

### ⑤ Battery

Display the current battery level.

# Function



Press and hold the button for 3 seconds to turn on/off the detector.



Under normal measurement status, the screen will show 'Measuring' on left top. Press the button to stop measuring, the icon will turn to 'Waiting' and particle concentration and data history will stop updating. Press the button again, the data will continue to update.



Return to previous menu or cancel the current operation.



Confirm the current operation.



Switch the option or increase the current parameter by 1.



Switch the option or decrease the current parameter by 1.



Display system menu. See Fig. 2.2.



Fig 2.2 Menu

Press **▶** to switch the time option, press **▲** or **▼** to adjust the parameter value. See Fig. 2.3.

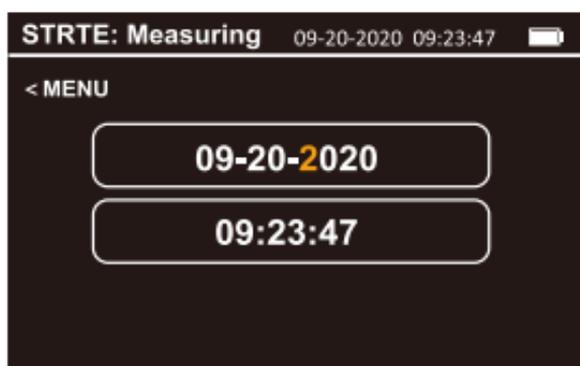


Fig. 2.3 Time

Press **▲** or **▼** to adjust the storage interval among 1, 5, 10, 30 and 60 min. See Fig. 2.4.

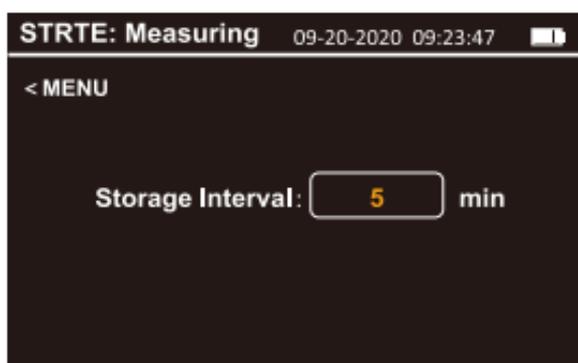


Fig 2.4 Storage Interval

Press **▲** or **▼** to adjust the time to turn off the detector automatically after 0, 30, 60 or 120 minutes. 0 indicates the Auto Shutdown function is not active. See Fig. 2.5. Auto Shutdown is for device power, not only the backlight. Airing-1000 doesn't support backlight off while working.



Fig. 2.5 Auto Shutdown

Data export: Please use the USB cable to connect the detector to the computer first. When connected successfully, as shown in Figure 2.6, it will enter data export mode.

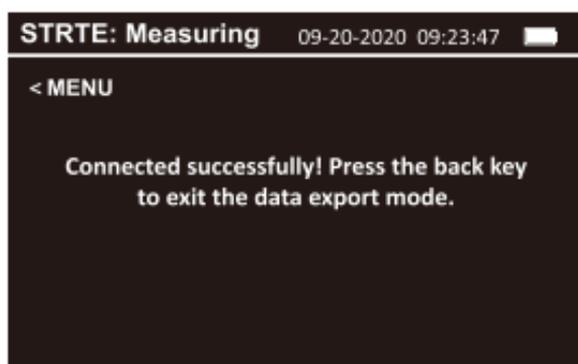


Fig. 2.6 Successful Connection

The computer will display a removable storage disk named 'Temtop', containing a HISTORY folder. The data is stored in the HISTORY folder in the format of Time-PM2.5- PM10-Temperature-Humidity.

To exit the data export mode, please press the Back button. The detector will return to previous menu.

If you enter the data export interface before connecting the detector to the computer via the USB cable, the detector will return to the previous menu. See Fig. 2.7.

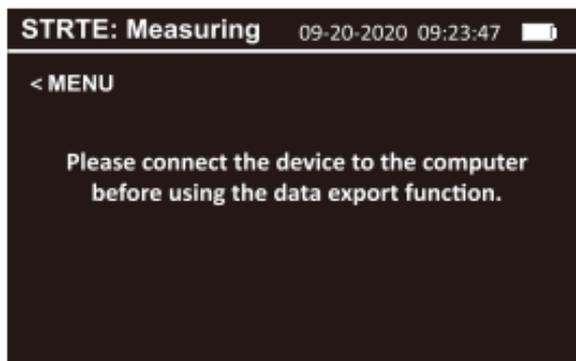


Fig. 2.7 USB Connection Not Detected

If the detector fails to connect (see Fig. 2.8), it will return to previous menu.

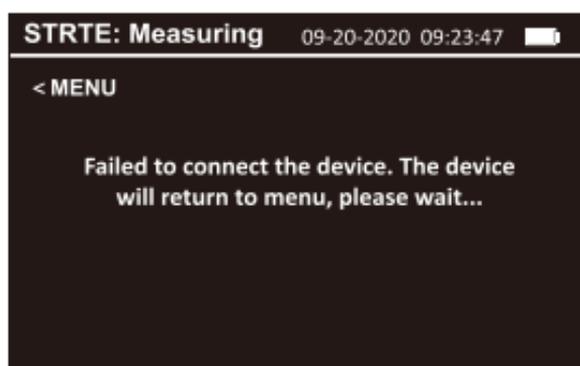


Fig. 2.8 Failed connection

## Parameter Index for Reference

PM2.5 ( $\mu\text{g}/\text{m}^3$ )	PM10 ( $\mu\text{g}/\text{m}^3$ )	LEVEL
0.0-12.0	0-54	Good
12.1-35.4	55-154	Moderate
35.5-55.4	155-254	Unhealthy for Sensitive Groups
55.4-150.4	255-354	Unhealthy
150.5-250.4	355-424	Very Unhealthy
$\geq 250.5$	$\geq 425$	Hazardous

# Specifications

## 3.1 Operation Environment

Temperature range: 0-50°C (32-122°F)

Humidity range: 10-90% RH

Atmospheric pressure condition: 1atm

## 3.2 Battery Specification

Capacity: 3000mAh

Voltage: 3.7VDC

Life: 6-8h on a full charge

Input voltage/current: DC5V; 1A

## 3.2 Measuring Range & Resolution & Accuracy

1) PM2.5: 0- 999.9 $\mu\text{g}/\text{m}^3$

Resolution: 0.1  $\mu\text{g}/\text{m}^3$

Accuracy:  $\pm 10\mu\text{g}/\text{m}^3$  (0-100 $\mu\text{g}/\text{m}^3$ )

$\pm 10\%$  (100-500 $\mu\text{g}/\text{m}^3$ )

2) PM10: 0- 999.9 $\mu\text{g}/\text{m}^3$ ,

Resolution: 0.1  $\mu\text{g}/\text{m}^3$

Accuracy:  $\pm 10\mu\text{g}/\text{m}^3$  (0-100 $\mu\text{g}/\text{m}^3$ )

$\pm 10\%$  (100-500 $\mu\text{g}/\text{m}^3$ )

3) Temperature: 0-50°C (32-122°F)

Resolution: 0.1°C(°F) Accuracy:  $\pm 1^\circ\text{C}$  ( $\pm 1.8^\circ\text{F}$ )

4) Humidity: 10-90% RH

Resolution: 0.1% RH Accuracy:  $\pm 5\%$  RH

### **IMPORTANT!**

- ⓘ Do not let fluff or hair enter the detector to ensure the accuracy.
- ⓘ Do not use the detector in humid places or environments with a strong odor to maintain accuracy.
- ⓘ Do not bump, strike or drop the detector as it is a precision detecting instrument.

## **⚠️ WARRANTY!**

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Temtop warrants the included item for 1 year from the date of original purchase. The item can be exchanged or returned within 30 days if the defect is not caused by artificial damage.

Item	Warranty Period
Monitor	1 years included
Accessories	N/A

Before returning or sending for repair, please check if the following items are ready:

	Detector & Accessories	Complete Package	Proof of Purchase*	Gift (if any)
<b>Return</b>	√	√	√	√
<b>Exchange</b>	√	√	√	
<b>Repair</b>	√		√	

\*Including invoice, order number and etc.

Temtop warranty does NOT include:

- Malfunction or damages caused by artificial damage or modification;
- Other deliberate damages;
- Damages caused by the force majeure event.

## **What's Included**

Airing-1000 Detector x 1

USB Cable x 1

User Manual x 1

*Note: If the items are damaged or missing, please contact the sales person in time.*

# *Temtop*

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