

Bluetooth Temperature & Humidity Data Logger

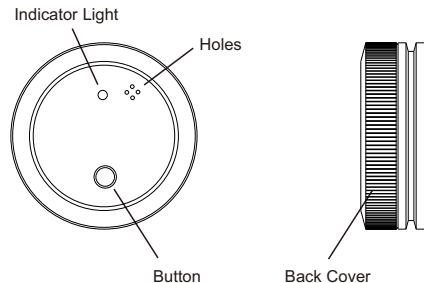
User Manual

V1.1.7

1. Introduction

This series of data loggers are used for the temperature and humidity monitoring during cold chain transportation. This instrument is mainly used for the cold chain transportation of drugs, food, chemicals, etc.

2. View



Note: The holes are only for models which can measure the humidity.

3. Specification

Sensor Type	 Temperature	 Temperature & Humidity
Parameter	Temperature	Temperature, Humidity
Measuring Range	-20~70°C	Temperature: -20~70°C Humidity: 0~100%RH(Non-condensing)
Accuracy	±0.3°C(-10~65°C) ±0.5°C(Others)	Temperature: ±0.3°C(-10~65°C) ±0.5°C(Others) Humidity: ±3%RH(10~90%RH, 25°C) ±4%RH(Others)
Resolution	0.1°C	Temperature: 0.1°C; Humidity: 0.1%RH
Storage Capacity	39960 groups of data	25920 groups of data
Response Time(t_{90})	About 15 minutes	
Start Mode	Press button; APP control	
Stop Mode	Press button; APP control; USB connect	
Calibration Point	1~6 calibration points	
Connection Mode	Bluetooth 4.2; USB2.0	
Operation Temperature	-20~70°C	
Storage Temperature	-20~70°C(Without battery)	
Battery	CR2450 non-rechargeable lithium battery, user replaceable	
Battery Life	About 12 months (Condition: Room temperature 25°C, sample interval over 15 minutes)	
Protection Class	IP65	IP40
Material	POM	
Size	Φ50mm*19mm	
Weight	34g(Not including battery)	

4. Button and Indicator

4.1 Button

- (1) Short press: Mark or wake up the Bluetooth.
- (2) Long press: Start or stop recording.
- (3) When the device is being connected via Bluetooth, there will be no operation while pressing the button.

4.2 Indicator

- (1) Recording: The indicator light flashes quickly every 10 seconds. When the device is in an alarm state, the red indicator light flashes. When it is not in an alarm state, the green indicator light flashes.
- (2) Stop recording: The indicator light flashes quickly twice every 10 seconds. When the device is in an alarm state, the red indicator light flashes. When it is not in an alarm state, the green indicator light flashes.
- (3) When user press and hold the button to start recording, the green indicator light flashes every 1 second. When you press and hold the button to stop recording, the red indicator light flashes every 1 second. If the device cannot start recording, the red and green indicator lights will flash every 1 second.
- (4) When user short press the button to mark, the red indicator light flashes once quickly.

5. Operating Instructions

5.1 Usage

- (1) Battery installation: Open the back cover of the machine and install the battery with the positive pole up. Tighten the back cover after installing the battery.
- (2) Start recording: Press and hold the button for about 3 seconds,

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the green indicator light flashes means the device has started recording. Or user can connect the device to the mobile app via Bluetooth, select the device on the real-time information interface and click Start Recording. When placing the instrument at the position to be measured, please pay attention to prevent anything from squeezing it.

(3) Stop recording: Press and hold the button for about 3 seconds, the red indicator light flashes means the device has stopped recording. Or when the device is being connected via Bluetooth, select the device on the real-time information interface and click Stop Recording.

5.2 Parameter Configuration and Data Acquisition

User can configure parameters and obtain recorded data by PC software or mobile phone APP. By PC software, user need to open the back cover of the device, connect the device to the PC through the USB interface, and then use the equipped PC software to configure parameters and obtain recorded data. By mobile phone APP, user have to install the equipped APP. Start the APP, search for the device, after connecting the device to the APP, user can configure the parameters and obtain the recorded data. Equipped software can be obtained from after-sales personnel.

5.3 Mark

When the instrument is in the recording state, short press the button to mark the data. The red indicator light flashes once indicates a successful mark. Note that multiple marks are not supported in the same recording interval.

5.4 Wake-up Operation

When the Bluetooth is set to be in the dormant state, the device will enter the dormant state if the time of no operation after waking up is more than the set wake-up time. If you need to wake up the device, short press the button.

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6. Notes and Warnings

- Please operate the instrument under guidance and in the proper environment.
- Please dispose the waste according to relevant national regulations on environmental protection.
- Prolonged exposure to the sun avoided.
- Corrosive chemicals avoided.
- If in doubt, please consult after-sales personnel.

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