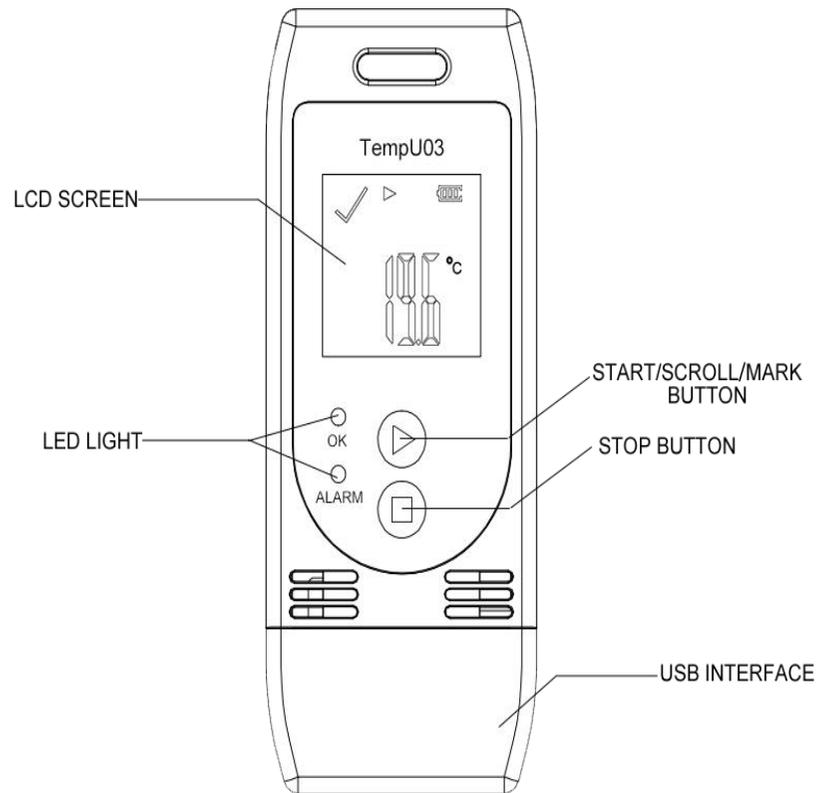


## Multi-Use PDF TEMP&RH Data Logger

### User Manual



## Product Profile

The device is mainly used to monitor the temperature and humidity data of food, medicine, chemical products and other products during storage and transportation. It is widely used in all links of warehousing and logistics cold-chain, such as reefer containers, refrigerated trucks, refrigerated distribution boxes, cold storage laboratory, etc. Compact and light, it is economical to use. After the recording is completed, it is inserted into the computer without any driver and automatically generates reports.

## Product Features

- **Designed to be Multi-use**
- **Temperature & Humidity measurement and recording**
- **Wide measuring range, high accuracy and large data memory**
- **Statistics available on LCD screen**
- **No software needed to retrieve data**
- **Automatically generates PDF report and CSV file**
- **Programmable software for logging parameters, alarms, and start delay**

## Technical Parameter

Item	Parameter
Temperature Scale	°C or °F
Accuracy	±3%RH; ±0.5°C(-20°C~+40°C),±1.0°C(other)
Measuring Range	Humidity 0%~100%RH, Temp -30°C~60°C
Resolution	0.1%RH typically, 0.1°C
Memory Capacity	32000
Recording Options	Delayed or Push-To-Start Logging
Record Interval	10 seconds to 18 hours adjustable [Default:10 mins]
Start Delay	Programmable (0~254 mins) [Default:30 mins]
Alarm Delay	Programmable (0~960 mins) [Default:10 mins]
Alarm Range	Programmable high or low alarm limit for each channel [Default:<2°C or >8°C, <40%RH or >80%RH]
Shelf Life / Battery	Typically 1 Year ;CR2032 3.0V Lithium Battery (Depending on Sampling Rate and Environment)
Report Generation	Simultaneously generate PDF report and CSV files
Communication Interface	USB2.0
Time Zone	UTC +0:00 (Default)
Dimensions	89mm*36mm*16mm
Product Weight	25g

## Operating Instructions

### a. Start Recording

Press and hold the “▶” button for more than 3S until the “OK” light is on, and the “▶” or “WAIT” displays on the screen, indicating starting recording successfully.

### b. Mark

When the device is in the recording status, press and hold the “▶” button for more than 3S, and the screen will switch to the “MARK” interface. The number of “MARK” will increase by one, indicating data was marked successfully.

(Note :

One record interval only can mark one time ,the logger can mark 6 times in one recording trip.

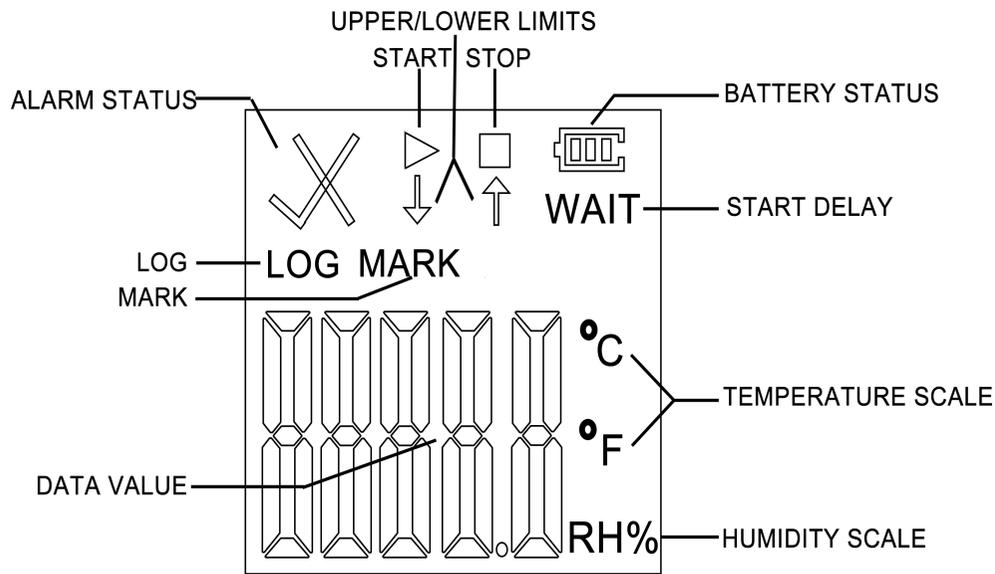
Under status of start delay, the mark operation is disabled. )

### c. Stop Recording

Press and hold the “■” button for more than 3S until the “ALARM” light is on, and the “■” displays on the screen, indicating stopping recording successfully.

Note:If the logger is stopped during the status of start delay, there will be A PDF Report but no data.

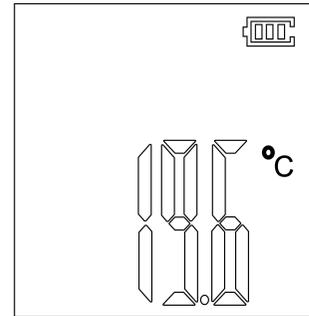
## LCD Display Instructions



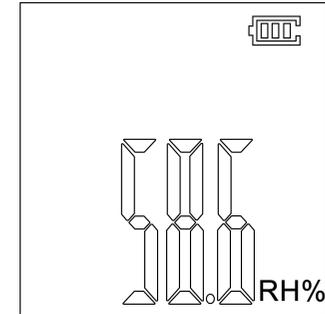
During normal use, press “▶” to switch the screen display interface. The data logger display interfaces include: real-time temperature display → real-time humidity display → LOG interface → MARK interface → temperature upper limit display → temperature lower limit display → humidity upper limit display → humidity lower limit display.

### Note:

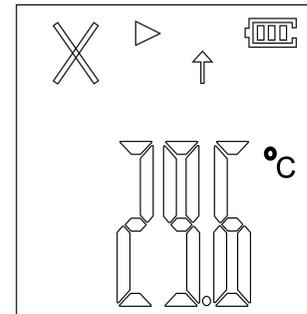
- If the device is used for the first time or after re-configuration, the real-time temperature interface will be the initialization interface.
- Temperature, humidity real-time interface is updated every ten seconds.



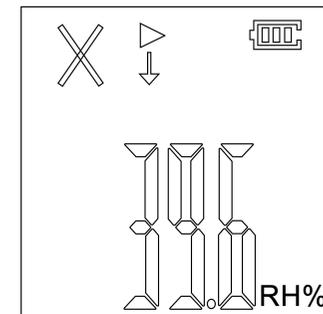
① Real-time Temperature Interface (Initialization)



② Real-time Humidity Interface (Initialization)



Real-time Temperature Interface (Above upper limit)



Real-time Humidity Interface (Below lower limit)

## At the real time temperature / humidity interface:

If the symbol “▶” lights, indicate the data logger is in the status of recording;

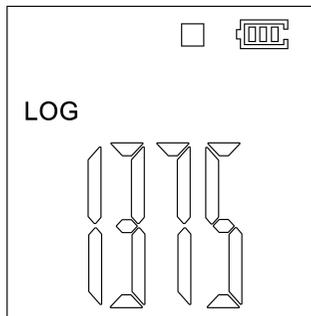
If the symbol “■” lights, indicates the data logger has stopped recording;

If the “WAIT” is lit, indicates the data logger is in the status of start delay;

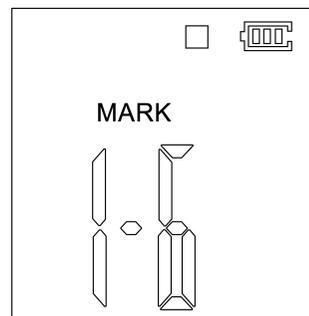
If the symbol “√” lights, it means that the temperature and humidity are within the normal range;

If the symbol “×” and “↑” light, indicate the measured temperature/humidity exceeds its temperature/humidity upper limit ;

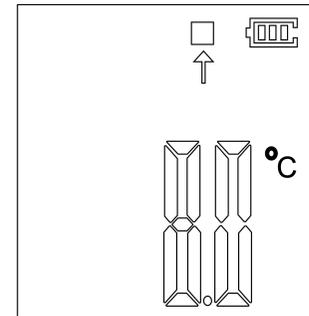
If the symbol “×” and “↓” light, indicate the measured temperature/humidity exceeds its temperature/humidity lower limit ;



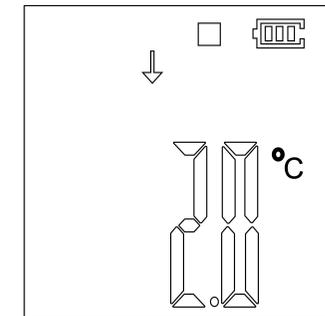
③LOG Interface  
(Stop recording status)



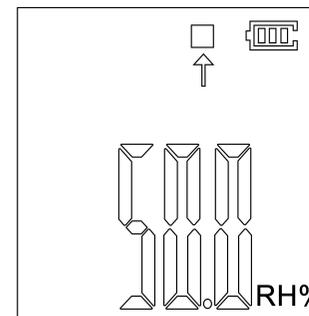
④MARK Interface  
(Stop recording status)



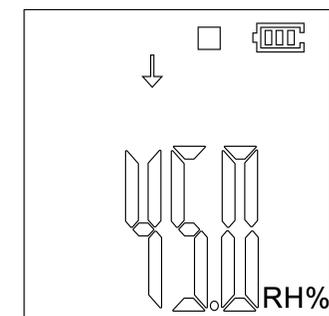
⑤Temperature: Above Upper Limit  
(Stop recording status)



⑥Temperature: Below Lower Limit  
(Stop recording status)



⑦Humidity: Above Upper Interface  
(Stop recording status)



⑧Humidity: Below Lower Limit  
(Stop recording status)

## LED Indicator Description

Status	Operating	Indicator status
Inactivated	Short press the button	The "OK" ( green light) and the "Alarm" (red light) will flash simultaneously.
Activated	During the recording process, the device will automatically flash every 10s. If the "OK"(green light) flashes every 10s, it means that the device is not over temperature/humidity during the recording process; If the "Alarm" (red light) flashes every 10s, it shows the over temperature/humidity during the recording process. Note: As long as over-temperature is found during the recording process, the "OK" will no longer flash.	
	No press the button	The "OK" (green light) and "Alarm"(red light) are not flashed.
Stopped	Short press the button	The "OK" (green light) flashes, indicating that the temperature has not been over during the recording process.
		The "Alarm" ( red light) flashes, indicating over-temperature during the recording process.

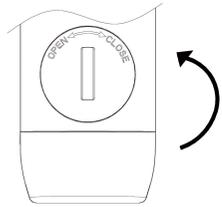
Button	Indicator light	Status
Press and hold the "▶" button for 3 seconds for the first time.	The "OK" (green light) is lighting for 3 seconds.	Start Recording
After turning on, press and hold the "■" button for 3s.	The "Alarm" (red light) is lighting for 3 seconds.	Stop Recording

## Battery Level Indication

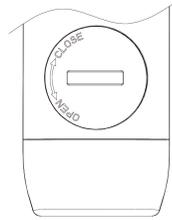
Battery Level Indication	Capacity
	40%~100%
	15%~40%
	5%~15%
	<5%

Note: When the battery is lower than 5%, please replace old battery with a new CR2032 cell with the negative inward.

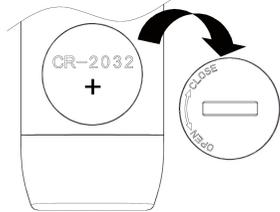
## Battery Replacement



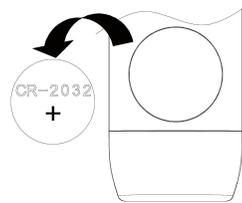
Step 1



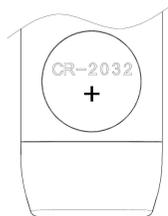
Step 2



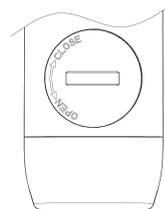
Step 3



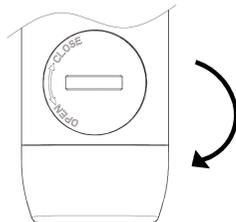
Step 4



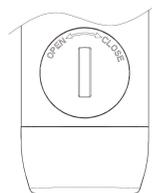
Step 5



Step 6



Step 7



Step 8

**Step1:**Contrarotate the battery cover.

**Step2:**The battery cover position is as shown, indicating that it has been contrarotate to the accordant position.

**Step3:**Take off the battery cover.

**Step4:**Remove the CR2032 battery.

**Step5:**Replace the battery. (Please note that the positive and negative anodes.)

**Step6:**Please install the battery cover in the direction shown in the figure.

**Step7:**Cover the battery and clockwise rotate it to close.

**Step8:**The battery cover is oriented as shown, indicating that the battery cover tightly.

**Note:**

It is recommended to check the battery status before restarting the logger to ensure that the remaining battery life could finish the recording task.