

Humidity and Temperature Data logger with PDF report

1. Application

The Data logger is designed with a high accuracy temperature & humidity sensor, providing fast response and stability. It is used for monitoring and collecting data of environment temperature and ambient humidity. It is widely used in indoor temperature measuring, warehouse management, logistics transportation, telecommunication rooms, intelligent buildings, subways, department stores, libraries, etc.

2. Operation Instruction

- 1) Insert the CR2032 battery and the meter begins to work (standby mode).
- 2) Press "START/STOP" key three seconds, the meter enters into storage mode and the "REC" symbol displays at bottom of the LCD.
- 3) After recording the data, access the PC's USB port, the meter show as a U disk display on the PC.
- 4) Open the PDF file of the meter in the PC to view the recorded data.

Note:

After reading the PDF file, the meter enters into "STOP" mode. If need to record again, need to clear the data which is already saved in the meter first, then the meter enters into "WAIT" (standby) mode, Press "START/STOP" for three seconds to enter into "REC" mode.

When the meter access PC's USB port, the recorder will have the following three-step. For a large amount of data, 1 minutes is need to read the recorder



Connecting Reading Ready

Note:

Open the USB cover: As shown below, hold the meter with one hand and push with the thumb against the USB cover and the cover will be open.



Replace the battery

To open the battery cover, press the non-slip point, rotate the battery cover to the unlocking position on the left and tap the battery cover gently, rotate right to lock the battery cover.

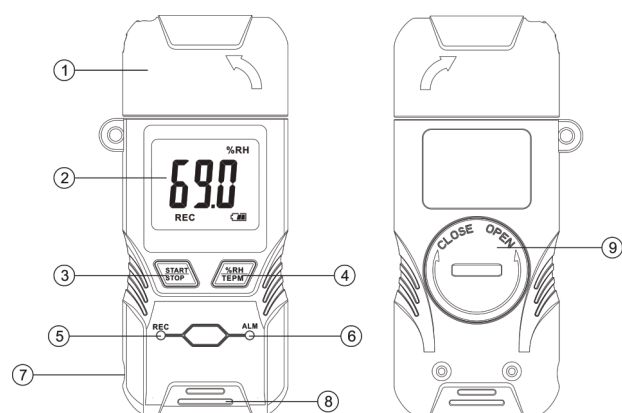
3. Technical Data

Humidity	Range	0~100%RH
	Accuracy	45~75%RH;±3.0%RH Others:±5%RH
Temp	Range	-40℃~70℃/-40°F~158°F
	Accuracy	-10℃~50℃/14°F~122°F ±1.0℃/1.8°F Others:±2.0℃/3.6°F
Resolution		0.1
LCD frequency		1 time / second
Memory		25000 groups
File format		PDF
Over range indication		-OL-
Power supply		CR2032 (3.0V)
Battery life		REC and ALARM indicators flash 1 time/sec, no less than 60 hours.
Operating Temp		-20℃~60℃/-40°F~158°F
Operating Humidity		10%RH~90%RH
Storage Temp.		-20℃~60℃/-40°F~158°F
Storage Humidity		10%RH~75%RH
Dimension		97*44*13mm
Weight		36g (w/o battery)

4. Meter Description

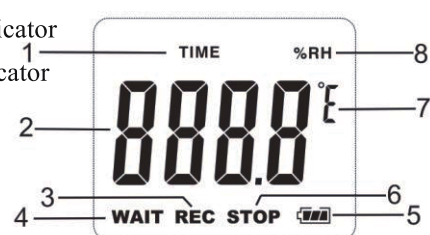
- 1) USB cover
- 2) LCD(Liquid Crystal Display)
- 3) START/STOP (ON/OFF) key

- 4) Temp./ humidity record indicator
- 5) Storage indicator
- 6) Alarm indicator
- 7) Security keyhole
- 8) Temp. and humidity sensor
- 9) Battery compartment



5. LCD Display Description

- 1) TIME/DATE icon
- 2) Temp./Humidity display area
- 3) Record icon
- 4) Standby icon
- 5) Battery level indicator
- 6) Stop storing indicator
- 7) °C/°F icon
- 8) %RH icon



6. Functions Description

1) Key function description

- ▶ "START/STOP" Function key

In the "WAIT" mode, press "START/STOP" for three seconds, meter begins to record the data, the "WAIT" icon flashes then "REC" icon displays at the bottom of the LCD screen..

In the "REC" mode, press "START/STOP" for three seconds, the meter stops recording the data. Display "STOP" icon at the bottom of the LCD.

▶ "RH TEMP" Function key
In the "WAIT", "REC" or "STOP" mode, use this button to convert temperature and humidity readings.

▶ "RH TEMP" "START/STOP" Composite function
In the "STOP" mode, press "RH TEMP" and "START/STOP" for three seconds simultaneously, recorded data will be cleared up. And the meter will return back to standby mode, "WAIT" icon displays at the bottom of the LCD.

2) Configuration software description

▶ Install the configuration program

Download "setup" from our company website, click the icon double times, install the software on the PC

▶ Configuring the software

- 1) The meter accesses to the PC's USB interface.
- 2) Set the parameters

Click to Write the Configuration

▶ The following functions can be set:

- a) Brand
- b) Name of device
- c) Official website
- d) Equipment ID
- e) Time zone and date format
- f) Start-up delay
- g) Sample rate
- h) Temperature unit
- i) Alarm value of high and low temperature
- j) The alarm value of high and low humidity
- k) The blink period of Warning LED light.
- l) The blink period of the recording LED light

7. Attention

- 1) This meter has already been calibrated before delivery. Please don't revise the calibration parameters without professional personnel and advice.
Noted: The recommended calibration period is one year.
- 2) Repairs or servicing not covered in this manual, should only be performed by qualified personnel.
- 3) Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.
- 4) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

8. Accessories

- 1) User's manual
- 2) CR2032 battery