TempU07B Temp&RH Data Logger Manual

1 Product introduction

TempU07B is a simple and portable LCD screen temperature and humidity data logger. This product is mainly used to monitor and record the temperature and humidity data during transportation and storage. It's are widely used in all aspects of the warehousing and logistics cold chain, such as refrigerated containers, refrigerated trucks, refrigerated distribution boxes, and cold storage laboratories. Data reading and parameter configuration can be realized through the USB interface, and the report can be easily and automatically generated after insertion, and there is no need to install any drivers when it's inserted into the computer.

2 Technical parameters

Project	Parameter
Probe Measuring Range	Humidity 0%~100%RH, Temp -40℃ ~85℃
Accuracy	±3%(10%~90%), ±5%(other); ±0.3℃(0~60℃), ±0.6℃(other)
Resolution	0.1%RH typically, 0.1℃
Data Capacity	34560
Usage	Multiple times
Start Mode	Button Start or Timed Start
Recording Interval	User configurable (10 seconds to 99 hours)
Start Delay	User configurable (0~ 72 hours)
Alarm Range	User configurable
Alarm Type	Single type, Cumulative type
Alarm Delay	User configurable (10 seconds to 99 hours)
Form of Report	PDF and CSV format data report
Interface	USB2.0 Interface
Protection Level	IP65
Product Size	100mm*43mm*12mm
Product Weight	85g
Battery Lifetime	More than 2 years (Normal temperature 25℃)
PDF and CSV report generation time	Less than 4 minutes

3 Factory default parameters of device

Project	Project
Temperature Unit	℃
Temperature Alarm Limit	＜2℃ or ＞8℃
Humidity Alarm Limit	＜40％RH or ＞80％RH
Alarm Delay	10 minutes
Recording Interval	10 minutes
Start Delay	30 minutes
Device Time	UTC time
LCD Display Time	1 minute
Start Mode	Press button to start

4 Operating instructions

1） Start recording

Long press the start button for more than 3s until the screen“▶”or the "WAIT" symbol is on, indicating that the device has successfully started recording.

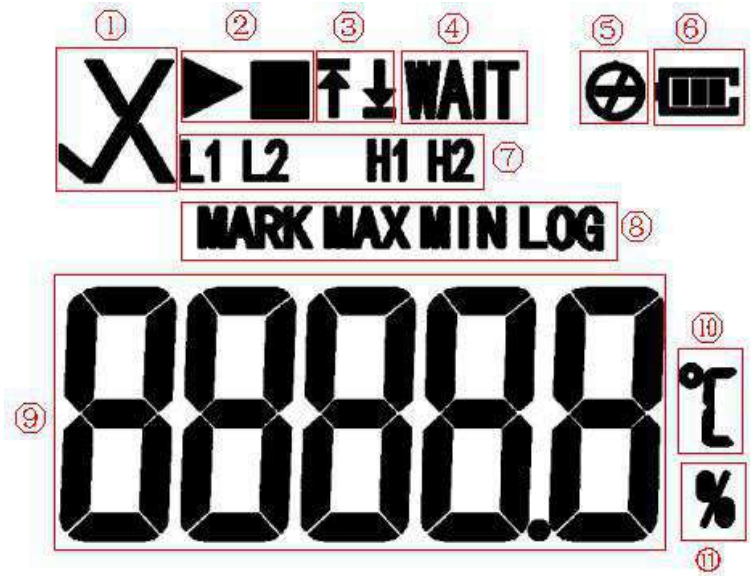
2） Marking

When the device is in the recording state, long press the start button for more than 3s, and the screen will jump to "MARK" interface, mark number plus one, indicating successful marking.

3） Stop recording

Long press the stop button for more than 3s until the "■" symbol on the screen lights up, indicating that the device stops recording.

5 LCD display description



1	√ Normal × Alarm	6	Battery Power
2	▶ In recording status ■ Stop recording status	8	Interface indication
3 and 7	Alarm area: ↑ H1 H2 (high temperature&humidity alarm) ↓ L1 L2 (low temperature&humidity alarm)	9	Temperature value Humidity value
4	Start delay status	10	Temperature unit
5	Button Stop Mode invalid	11	Humidity unit

1） Short press the start button to switch the display interface in turn

Real time temperature interface → Real time humidity interface → Log interface → Mark number interface → Temperature maximum interface→ Temperature minimum interface → Humidity maximum interface → Humidity minimum interface.

① Real time temperature interface (initialization state)

② Real time humidity interface (initialization state)

③ Log interface (record state)

④ Mark number interface (record state)

⑤ Temperature max interface (record state)

⑥ Temperature minimum interface (record state)

⑦ Humidity max interface (record state)

⑧ Humidity minimum interface (record state)

6 Description of battery status display

Power Display	Capacity
	40%～100%
	15%～40%
	5%～15%
	＜5%

Notice：

The battery indication status can not accurately represent the battery power in different low temperature&humidity environment.