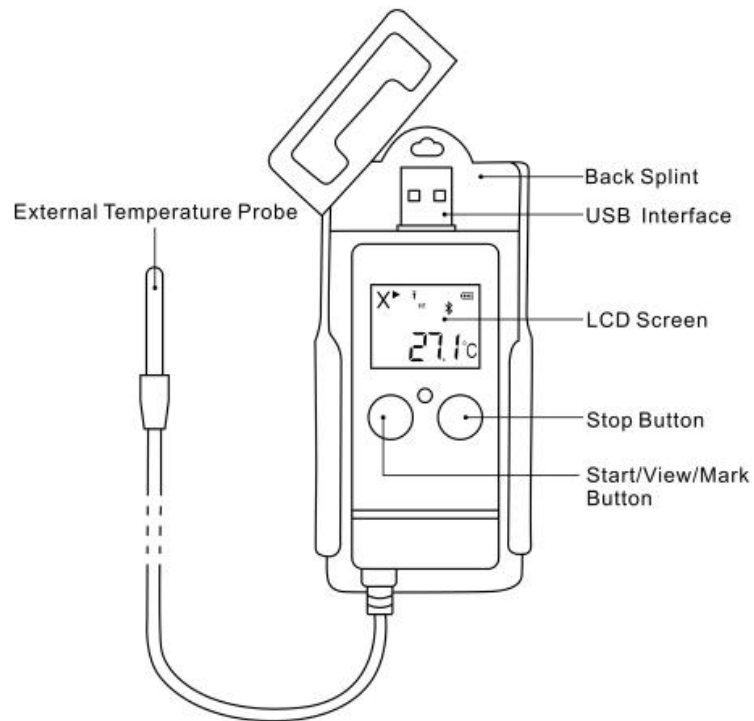


# BLE USB Temp Data Logger User Manual

## —TempU06+



## Product Introduction

The TempU06+ is mainly used to monitor and record temperature data of food, medicine, pharmaceuticals, chemicals and other products during storage and transportation.

The TempU06+ overcomes the limitations that non wireless data logger present. Traditional data loggers require programming and specific software to download data, which may not be available along each destination in the cold chain. The Bluetooth connectivity of the TempU06+ and Temp Logger App brings customers the advantages of tracking data for data viewing. And you can enable quick connection with PC to get data by Temperature Management Software, no cable or reader required for downloading data.

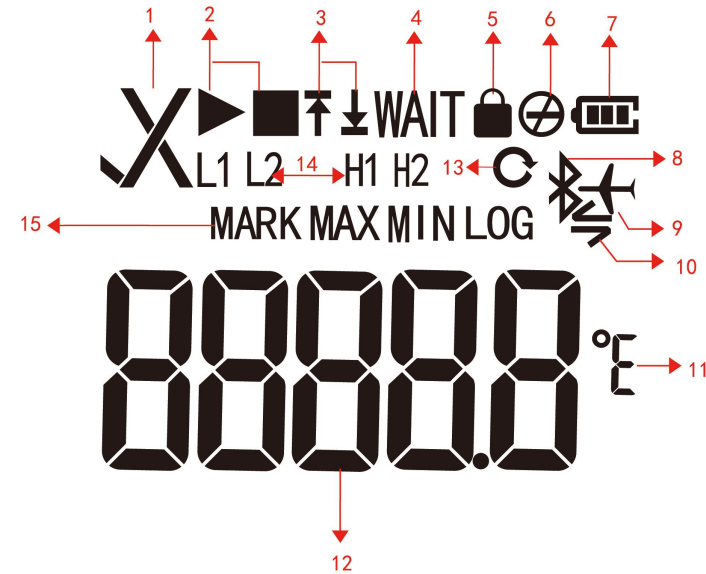
## Feature

- Bluetooth and USB connection. Dual interface ensures convenience and stability
- Large LCD screen with powerful indicators
- External temperature probe for low temperature condition, up to  $-60^{\circ}\text{C}$
- Flight mode for air transportation
- FDA 21 CFR Part 11, CE, EN12830, RoHS, NIST traceable calibration
- No need any software to get the PDF and CSV file

## Specification

Item	Parameter
Measurement Range	-60°C~+120°C
Accuracy	±0.3°C (-20°C~+40°C)
	±0.5°C (-40°C~-20°C/+40°C~+80°C)
	±1.0°C (-60°C~-40°C/+80°C~+120°C)
Resolution	0.1
Capacity	32000
Start Mode	Push-To-Start or Timing Start
Log Interval	Programmable (10s ~ 18h) [Default:10mins]
Alarm Range	Programmable [Default: <2°C or >8°C]
Alarm Delay	Programmable (0 ~ 960mins) [Default: 10mins]
Start Delay	Programmable (0 ~ 254mins) [Default: 30mins]
Battery	Typically 1.5 years
	ER14250 Lithium Battery (Replaceable)
Report Generation	Automatic PDF/CSV Report Generation
Protection Grade	IP65
Connectivity	USB2.0 Bluetooth 4.2
Dimension & N.W.	115*50*20mm 120g
Software	Temp Logger App
	Temperature Management Software (For Windows,FDA 21 CFR Part 11 Compliant)
Sensor	External Temperature Probe,1.5m

## LCD Display Instruction



1	✓ Ok ✗ Alarm	8	Bluetooth
2	▶ Start recording ■ Stop recording	9	Flight mode
3&14	Alarm zones ↑,H1,H2(High) ↓,L1,L2(Low)	10	Bluetooth communicating
4	Delay recording	11	Unit
5	Password (AccessKey) protected	12	Reading
6	Stop button disabled	13	Data cover
7	Remaining battery level	15	Statistics

## LCD Screens

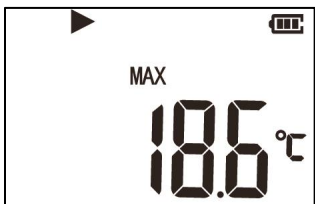
### Home Screens



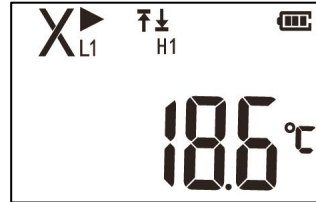
① Initialization



③ Log interface



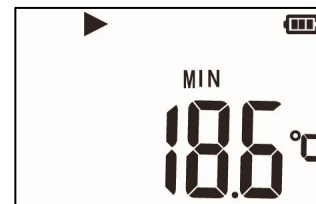
⑤ Max Temp interface



② Above upper & lower limit

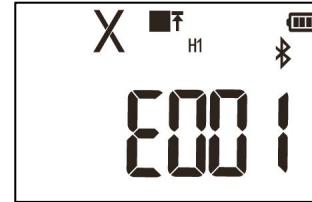


④ Mark interface



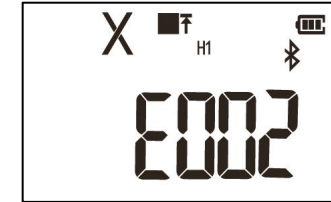
⑥ Min Temp interface

### Error Screens



If E001 is display on the screen there are three ways to check:

1. The sensor is not connected
2. Beyond the detection range
3. The sensor error, please replace the sensor with a new one



If E002 is display on the screen, indicating there is no sensor under the timing start, please reconfigure the device.

### Download Report Screen

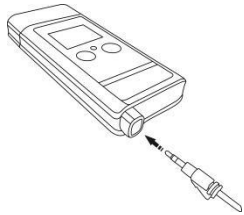


Connecting to USB

Connect data logger to USB port, it will automatically generate reports.

## How to use

### a. Start recording



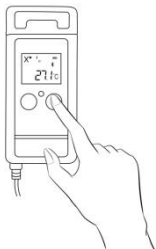
Make sure the sensor is completely insert into the device. Press and hold the left button for more than 3s until the led light turns green, and the “▶” or “WAIT” displays on the screen, which indicates the logger is started.

### b. Mark



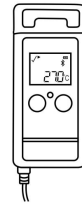
When the device is recording, press and hold the left button for more than 3s, and the screen will switch to the “MARK” interface. The number of “MARK” will increase by one, indicating data was marked successfully.

### c. Stop recording

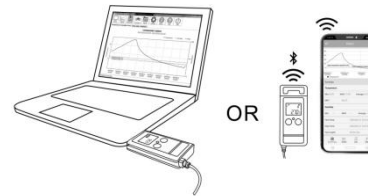


Press and hold the right button for more than 3s until the led light turns red, and the “■” displays on the screen, indicating stop recording successfully.

### d. Turn on/off Bluetooth



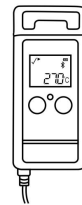
### e. Get report



Press and hold the two buttons for more than 3s at the same time, until the red light flashes quickly, and the “✂” displays on the screen or disappears, indicating the bluetooth was turn on or off.

After recording, there are two ways to get report: connect the device with USB port of PC or using Temp Logger App on smart phone, it will automatically generate PDF and CSV report.

### f. Switch on or quit Flight Mode



Switch on: by Temp Logger App.

Quit: press and hold the two buttons for more than 3s at the same time, until the red light flashes quickly, and the “✂” displays on the screen, meanwhile “✂” disappears.

## Configure Device

### A. By Temp Logger App





Please configure the device through Temp Logger App. Before configuration, please make sure Bluetooth is turned on. Client can download App by scan the QR code below:



### B. By Temperature Management Software

Connect the device to USB port, open the Temperature Management software, which would automatically start searching and connecting to the device, then the data logger can be configured. Software download link <http://www.tzonedigital.com/d/TM.exe>

## Battery Status Indication

Battery	Capacity
	Full
	Good
	Medium
	Low (Please replace battery)

## Cautions

1. Please read the manual carefully before using the logger.
2. When the logger is recording, do not move external temperature probe, otherwise may get error data.
3. Do not bend or press the end of the external temperature probe, as this may damage it.
4. Please recycle or dispose the data logger in accordance with local laws and regulations.