

# U114 Temperature Logger

(HDL-U11410T)

## User Manual



## Product overview

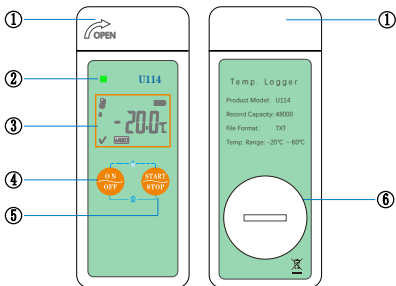
The logger is U114 mainly used to monitor and record the **temperature (-20 to 60 °C)** data of food, medicine, chemical supplies, and other objects during storage and transportation.

They are widely used in various cold chains of storage and logistics, such as refrigerated containers, refrigerated trucks, refrigerated packages, cold storage, laboratory, etc.

## Technical parameters

- ◆ Temperature unit: °C or °F optional (selected from our software);
- ◆ Temperature range: -20°C ~ +60°C;
- ◆ Resolution: 0.1°C;
- ◆ Temperature accuracy: ±0.5°C (-20°C ~ +40°C), ±1°C for others;
- ◆ Sensor type: NTC;
- ◆ Record capacity: 48000 points;
- ◆ Record interval: 10s ~ 24h adjustable;
- ◆ USB interface: USB 2.0;
- ◆ File type: TXT;
- ◆ Battery: CR2450 battery;
- ◆ Battery life: 1 year ( 20°C environment with record interval 1min);
- ◆ Protection grade: IP65;

## Product diagram



① USB protection cover

④ Left key

② Device indicator

⑤ Right key

③ LCD screen

⑥ Battery cover

## Specification

Logger Dimension: 101 mm \* 40 mm \* 11.5 mm (H \* W \* D)

Packing Dimension: 127 mm \* 74 mm \* 26 mm (H \* W \* D)

## Battery Diagram



Battery positive pole  
This side outside when  
install battery



Battery negative pole  
This side inside when  
install battery

## Initial use

1. Open battery cover at the back of product, install battery with battery negative pole inside, then tighten the cover;
2. Download and install our software on a Windows OS PC, Running it;
3. Insert the USB logger to computer by the USB port;
4. Wait until the software auto scanning the USB logger, and calculate the data arrays. (10s to 5 Mins);
5. Select "parameter" Tab, and initialize the parameter configuration.
6. Manually change the parameters according to your requirement, remember to saving the parameters.
7. Pull off the logger from PC, ready for use.

## Key instruction

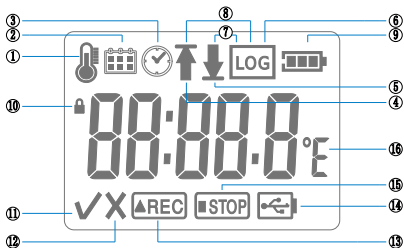
- ◆ **Turn On/Off:** Hold the **left** key for **5s** and then release it; the screen changes.
- ◆ **Start/Stop Record:** Hold the **right** for **5s** and then release it; the screen will show the Rec/Stop;
- ◆ Check the **Previous** Item: Press and release the left key;
- ◆ Check the **Next** Item: Press and release the right key;
- ◆ **Lock/Unlock** keys: Press and release the two keys at the same;
- ◆ **Wipe Data:** Hold the two keys at the same time for **5s** and then release them; All saved data will be wiped;

### Attentions

- ◆ Assure it is not recording now **before Wipe Data**;
- ◆ Check the log counts to confirm empty or not;

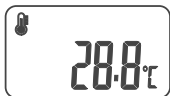
If failed, you need to enable the combination-keys delete function with the datalogger software from us.

## LCD diagram



- 
- |  |                              |
|--|------------------------------|
| ① Temperature display interface                | ⑨ Battery level              |
| ② Date display interface                       | ⑩ Keys lock icon             |
| ③ Time display interface                       | ⑪ No alarm icon              |
| ④ Upper limit display interface                | ⑫ Over limit icon            |
| ⑤ Lower limit display interface                | ⑬ Record status icon         |
| ⑥ Record points display interface              | ⑭ USB connection status icon |
| ⑦ Lowest temperature record display interface  | ⑮ Non-recording status icon  |
| ⑧ Highest temperature record display interface | ⑯ Temperature unit           |
-

## LCD menu interface



① Real Time Temp



② Date



③ Time



④ Recordable Temp.  
Upper Limit



⑤ Recordable Temp.  
Lower Limit



⑥ Records Count







⑦ Highest Temperature  
in Records



⑧ Lowest Temperature  
in Records

## Battery level instruction

Battery level	Remaining capacity
	60% ~ 100%
	20% ~ 60%
	10% ~ 20%
	< 10%

Note:

- 1 When the remaining battery capacity is less than 20%, it is recommended to replace the battery to prevent inconvenience;
- 2 When the remaining battery capacity is less than 10%, please replace the battery as soon as possible to prevent the battery from running out.



## Factory default parameters

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Temperature unit: °C

Export file type: TXT

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Time zone: UTC +8:00

Report language: English

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Start mode:  
start by pressing key

Start delay:  
0 min

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Stop mode:  
stop by pressing key

Temperature offset value:  
±0.0°C

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Temperature upper limit:  
60.0°C

Temperature lower limit:  
-20.0°C

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Normal record interval:  
1min

Overlimit record interval:  
30s

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Circular log: enabled

Multiple start: enabled

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Long press keys to delete  
data: enabled

Reset record after finishing  
configuration: disabled

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LCD always on: timing off

Alarm setting: no alarm

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Trip No.: XC000000

Trip description: NULL

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Pressing Key indicates Hold the key for 5s.

## Device standard list

- 1 piece logger
- 1 piece CR2450 battery
- 1 piece user manual

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