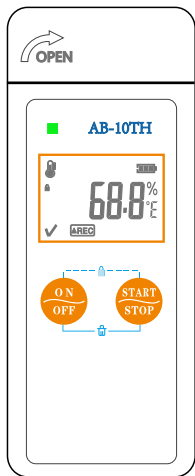


AB-10TH Temperature & Humidity logger User manual



Product overview

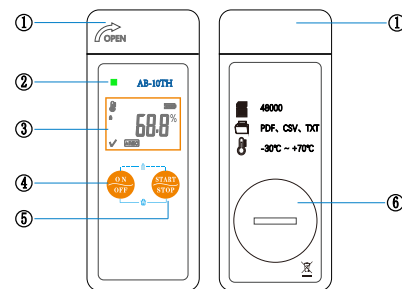
The logger is mainly used to monitor and record the temperature data of food, medicine, chemical supplies and other products during storage and transportation. It is widely used in various links of the cold chain of storage and logistics, such as refrigerated containers, refrigerated trucks, refrigerated packages, Cold storage, laboratory, etc.

Technical parameters

- ◆ Temperature unit: °C or °F optional (selected from our software);
- ◆ Temperature range: -30°C ~ +70°C;
- ◆ Temperature accuracy: ±0.5°C (-20°C ~ +40°C), ±1°C for others;
- ◆ Humidity range: 1.0 ~ 99.9%RH;
- ◆ Humidity accuracy: ±3%RH(25°C, 20 ~ 80%RH) other ±5%RH;
- ◆ Resolution: Temperature 0.1 °C, humidity 0.1% RH;
- ◆ Sensor type: Digital sensor;
- ◆ Record capacity: 48000 points;
- ◆ Record interval: 10s ~ 24h adjustable;
- ◆ USB interface: USB 2.0;
- ◆ File type: PDF、CSV、TXT;
- ◆ Battery: CR2450 battery;
- ◆ Battery life: 1 year (20°C environment with record interval 1min);
- ◆ Protection grade: IP65;

①

Product diagram



- | | |
|------------------------|-----------------|
| ① USB protection cover | ④ Left key |
| ② Device indicator | ⑤ Right key |
| ③ LCD screen | ⑥ Battery cover |

Specification

Logger size: 101mm*40mm*11.5mm

Packing size: 127mm*74mm*26mm

②

Battery diagram



Battery positive pole
This side outside when
install battery



Battery negative pole
This side inside when
install battery

Initial use

1. Download and install our software;
2. Open battery cover at the back of product, install battery with battery negative pole inside, then tighten the cover;
3. Open software, connect logger to PC USB interface. After successfully connected, select "parameter" page, and initialize the parameter configuration.
4. After saving the parameters, pull off logger from PC, ready for use.

③

Key instruction

The logger has left key and right key, with function as below:
Note: 1. Short press: press key for less than 5s.
2. Long press: press key for more than 5s.

Short press left key: Cycle switching menu interface forward

Short press right key: Cycle switching menu interface backward

Long press left key: Start/Stop logger

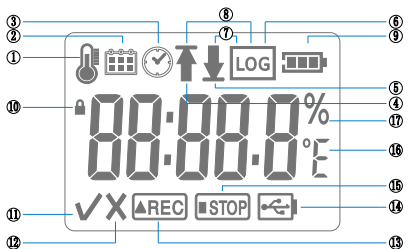
Long press right key: Start/Stop recording

Short press right and left keys at the same time:
Lock/Unlock keys

Long press right and left keys at the same time:
Under status of stop recording, delete record data.
(Note: need to enable the software configuration option "long
press keys to delete data" as "enable")

④

LCD diagram



① Temperature display interface ⑩ Keys lock icon

② Date display interface ⑪ No alarm icon

③ Time display interface ⑫ USB connection status icon

④ Upper limit display interface ⑬ Record status icon

⑤ Lower limit display interface ⑭ Over limit icon

⑥ Record points display interface ⑮ Non-recording status icon

⑦ Lowest temperature record display interface ⑯ Temperature unit display interface

⑧ Highest temperature record display interface ⑰ Humidity unit display interface

⑨ Battery level

⑤

LCD menu interface



① Temperature display interface



② Humidity display interface



③ Date display interface



④ Time display interface



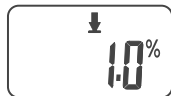
⑤ Upper temperature limit display



⑥ Upper humidity limit display



⑦ Lower temperature limit interface



⑧ Lower humidity limit interface



⑨ Record points display interface



⑩ Highest temperature record interface

⑥



⑪ Highest humidity record interface



⑫ Lowest temperature record interface



⑬ Lowest humidity record interface

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.

⑦

Factory default parameters

Temperature unit: °C

Humidity unit: %

Export file type: PDF

Report language: English

Time zone: UTC +8:00

Start mode: start by pressing key

Start delay: 0 min

Stop mode: stop by pressing key

Temperature offset value: ±0.0°C

Humidity offset value: ±0.0%

Temperature upper limit: 70.0°C Humidity upper limit: 99.9%

Temperature lower limit: -30.0°C Humidity lower limit: 1.0%

Normal record interval: 1min

Overlimit record interval: 30s

Circular log: enabled

Multiple start: enabled

Long press keys to delete data: enabled

Reset record after finishing configuration: disabled

LCD always on: timing off

Alarm setting: no alarm

Trip No.: XC000000

Trip description: NULL

⑧

Device standard list

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

Device optional list

- 1. Add a logger hanging hole
- 2. Replace rechargeable battery
- 3. Replace low temperature battery