



HASWILL ELECTRONICS HDL-U135 Temperature and Humidity Data Logger User Manual

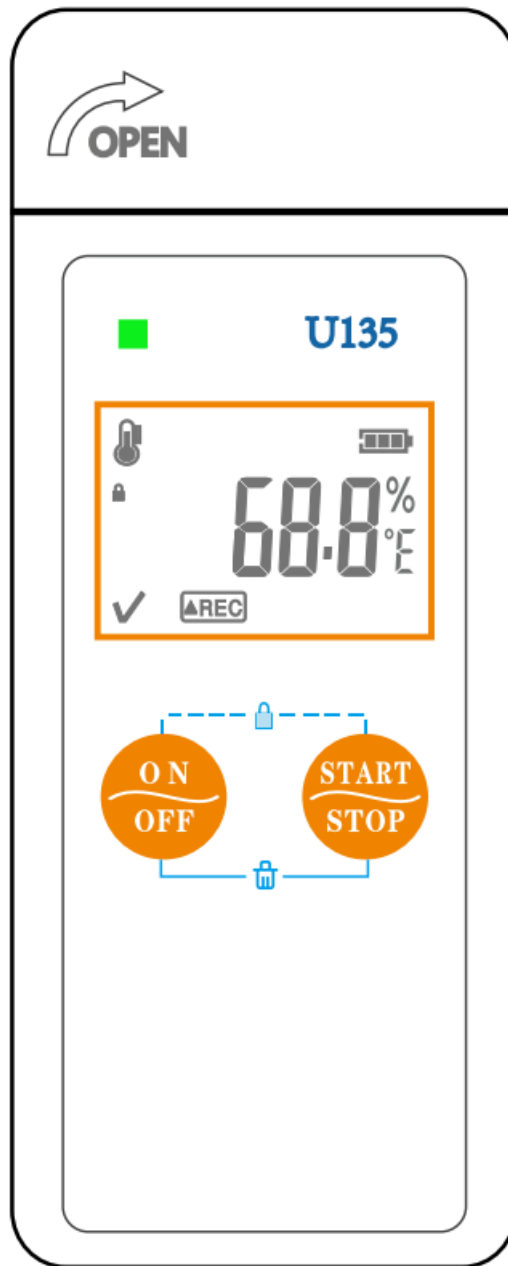
[Home](#) » [HASWILL ELECTRONICS](#) » HASWILL ELECTRONICS HDL-U135 Temperature and Humidity Data Logger User Manual 

Contents

- [1 HASWILL ELECTRONICS HDL-U135 Temperature and Humidity Data Logger](#)
- [2 Product overview](#)
- [3 Technical parameters](#)
- [4 Product diagram](#)
- [5 Specification](#)
- [6 Initial use](#)
- [7 Key instruction](#)
- [8 LCD diagram](#)
- [9 LCD menu interface](#)
- [10 Battery level instruction](#)
- [11 Device standard list](#)
- [12 Documents / Resources](#)
- [13 Related Posts](#)

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HASWILL ELECTRONICS HDL-U135 Temperature and Humidity Data Logger



Product overview

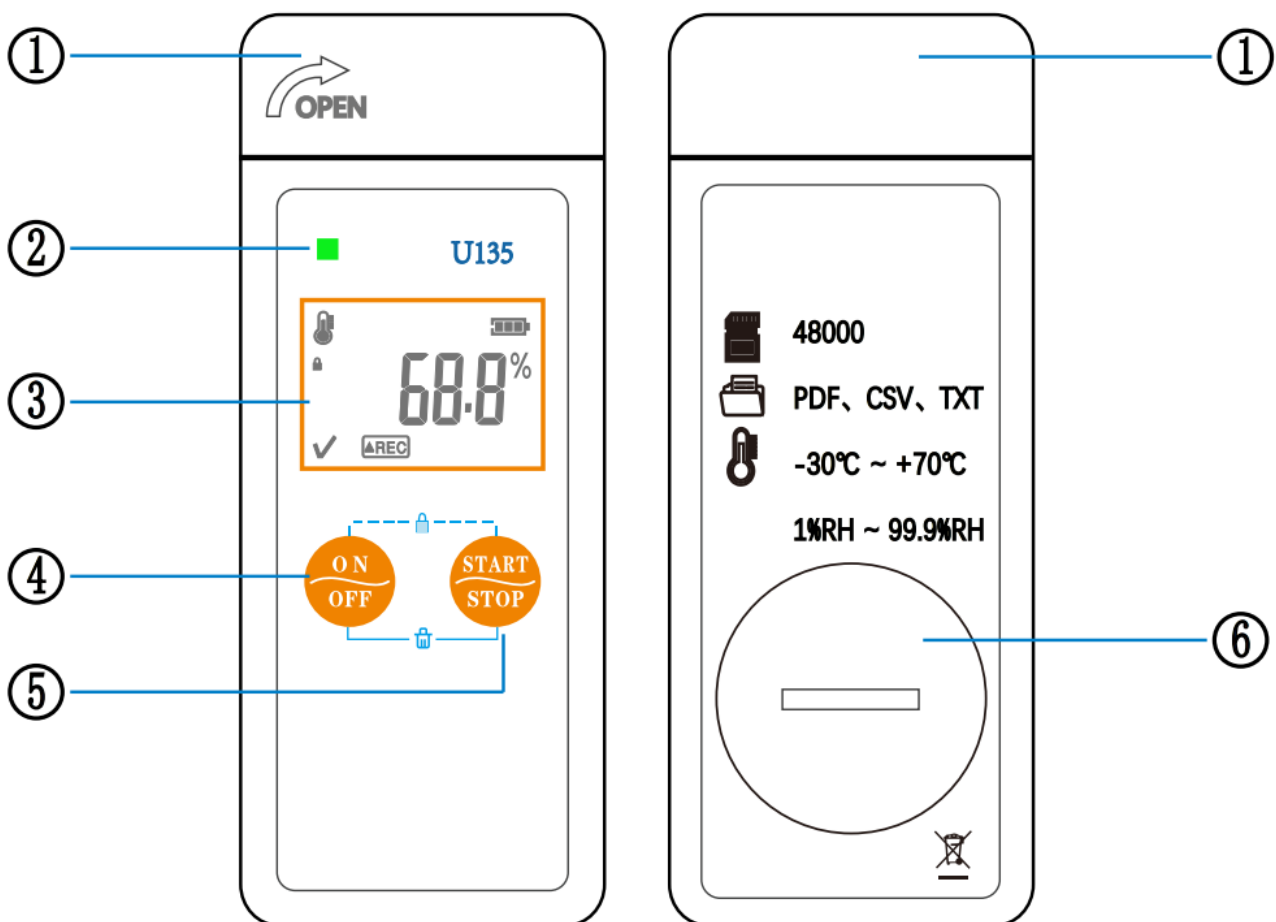
The logger U135 is mainly used to monitor and record the temperature (-30 to 70 °C) and humidity (1%RH to 99.9%RH) data of food, medicine, chemical supplies, and other objects during storage and transportation. They are widely used in various cold chains of storage and logistics, such as refrigerated containers, refrigerated trucks, refrigerated packages, cold storage, laboratory, etc.

Technical parameters

- Temperature unit: °C or °F optional (selected from our software):
- Temperature range: -30°C+70°C
- Temperature accuracy: #0.5°C (-20°C +40°C). +1°C for
- **others**
- Humidity range: 1.0 99.9HRH:
- Humidity accuracy: +3%RH(25°C, 20-80HRH) other+5%RH;
- Resolution: Temperature 0.1 °C, humidity 0.1% RH:

- Sensor type: Digital sensor
- Record capacity: 48000 points
- Record interval: 10s24h 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

Product diagram



① USB protection cover

④ Left key

② Device indicator

⑤ Right key

③ LCD screen

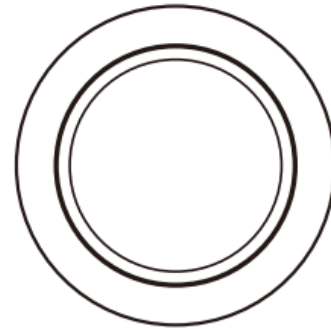
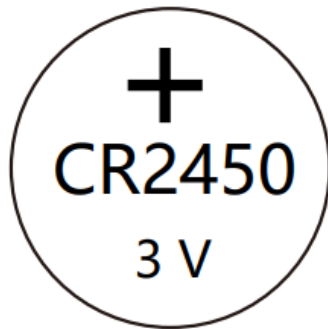
⑥ Battery cover

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 installing the battery
- Battery negative pole This side inside when installing the battery



Initial use

1. Open the battery cover at the back of the product, install the battery with a 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 a 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 the “parameter” Tab, and initialize the parameter configuration.
6. Manually change the parameters according to your requirement, remember to save the parameters.
7. Pull off the logger from the PC, ready for use.

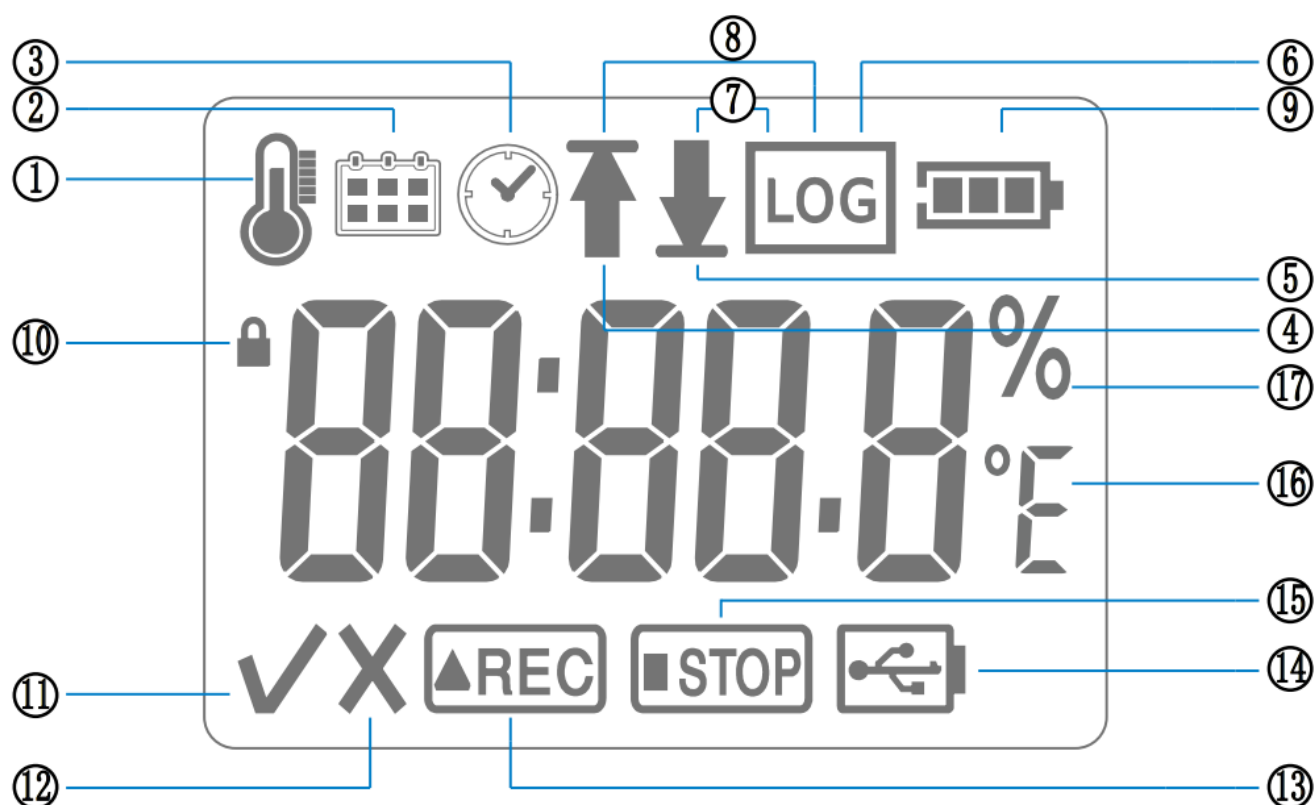
Key instruction

- 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



①Temperature display interface ⑩ Keys lock icon

② Date display interface

⑪ No alarm icon

③Time display interface

⑫ USB connection status icon

④Upper limit display interface ⑬ Record status icon

⑤Lower limit display interface ⑭ Over limit icon

⑥ Record points display interface

⑮Non-recording status icon

⑦ Lowest temperature record display interface

⑯Temperature unit

⑧ Highest temperature record display interface

⑰Humidity unit

⑨Battery level

LCD menu interface



① Real Time Temp



② Real Time Humidity



③ Date



④ Time



⑤ Recordable Temp.
Upper Limit



⑥ Recordable Humi.
Upper Limit



⑦ Recordable Temp.
Lower Limit



⑧ Recordable Humi.
Lower Limit



⑨ Records Count



⑩ Highest Temperature in
Records



⑪ Highest Humidity in
Records







⑫ Lowest Temperature
Records



⑬ Lowest Humidity in
Records

Battery level instruction

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

Note

- When the remaining battery capacity is less than 20%, it is recommended to replace the battery to prevent inconvenience,
- 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

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

Device standard list

- 1 piece logger
- 1 piece CR2450 battery
- 1 piece user manual
- Haswell Electronics & Haswell Trade <https://www.thermo-hygro.com> – tech@thermo-hygro.com
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Documents / Resources

<p>HDL-U135 Temperature & Humidity Logger (HDL-U13510TH) User Manual</p> 	<p>HASWILL ELECTRONICS HDL-U135 Temperature and Humidity Data Logger [pdf] User Manual</p> <p>HDL-U135, Temperature and Humidity Data Logger, HDL-U135 Temperature and Humidity Data Logger, HDL-U13510TH</p>
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