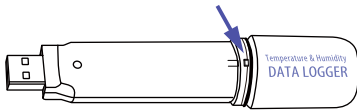
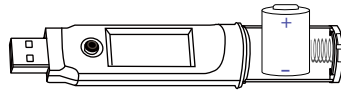


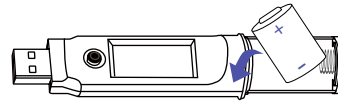
BATTERY INSTALL



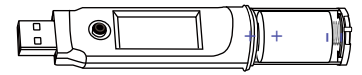
① Push the tenon as arrow instructed and remove battery cover



② Put battery vertically on the battery groove



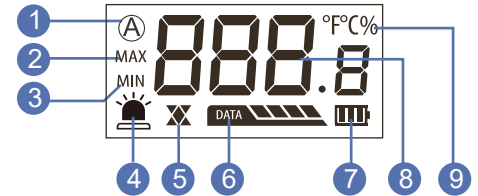
③ Make positive side of battery contact positive spring plate first and push the negative side of spring to fix battery position.



④ Finish

LCD

1 Low battery	6 Log capacity
2 Max. Temp/Humi.	7 Battery capacity
3 Min. Temp/Humi.	8 Temp. & Humi.
4 Alarm	9 Unit
5 Up/low alarm indication	



OPERATION

Movement	Operation	LCD icon	Icon display
Start/Load	Auto loading after power on		All icon lighted
Log/ manual stop	① Hold 5s(start/restart log)		Lighted
	② Hold 5s(stop log)		Not lighted
Auto stop logging	① Stop log after full record		Flash
	② Stop log after connect to computer		
Alarm	Temp.&Humi. breach		Lighted/not Lighted
Auto PDF export	Connect to computer		Display loading progress of PDF export
search	press button		Refer to menu part

* Old PDF and record will be deleted after restart logging, please backup old data.

MENU ILLUSTRATION

Menu	Illustration	Example	Menu	Illustration	Example	Before logging
1	Temp.up limit		5	Max Temp.		
2	Temp.low limit		6	Max Humi.		
3	Humi.up limit		7	Min Temp.		
4	Humi.low limit		8	Min Humi.		

PDF REPORT

Simple

THD-8 Datalog

Date Created : 2018/02/13 14:02:58

Device information

Serial Number : THD_180208005
Firmware Version : 1.0.2

Device Setting

Measurement Time : 3s
Temp Upper Limit : 25.0 °C
Temp Lower Limit : 20.0 °C

Data Info

Start time : 2018/02/12 17:04:23
Total Data : 15000
Total of record time : 12h 30m 0s
Highest Temp : 20.2 °C 2018/02/12 17:04:59
Lowest Temp : 16.5 °C 2018/02/13 05:29:38
Avg Temp : 17.2 °C
Avg High Alarm Temp : ---
Avg Low Alarm Temp : 17.2 °C

Type : Temp & Humi
Details : Unextend

Humi Upper Limit : 75.0 %
Humi Lower Limit : 40.0 %

Stop time : 2018/02/13 05:34:20
Total of Alarms : 14976
Total Alarm time : 12h 28m 48s
Highest Humi : 63.2 % 2018/02/13 02:24:02
Lowest Humi : 56.1 % 2018/02/12 17:39:23
Avg Humi : 61.6 %
Avg High Alarm Humi : ---
Avg Low Alarm Humi : ---

Temp [°C]

Humi [%]

Temp Upper Limit

Humi Upper Limit

Temp Lower Limit

Humi Lower Limit

2018/02/12 17:04:23 2018/02/12 18:19:23 2018/02/12 19:34:23 2018/02/12 20:49:23 2018/02/12 22:04:23 2018/02/12 23:19:23 2018/02/13 00:34:23 2018/02/13 01:49:23 2018/02/13 03:04:23 2018/02/13 04:19:23

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File name : THD-8_V1.2

Detail

Total Information(Max.600)

From 2018/01/11 08:32:23 To 2018/01/11 08:52:21

Time	Temp	Humi	Temp	Humi	Temp	Humi	Temp	Humi	Temp	Humi
2018/01/11 08:32:23	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:24	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:25	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:26	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:27	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:28	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:29	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:30	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:31	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:32	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:33	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:34	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:35	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:36	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:37	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:38	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:39	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:40	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:41	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:42	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:43	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:44	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:45	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:46	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:47	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:48	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:49	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:50	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:51	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:52	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:53	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:54	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:55	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:56	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:57	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:58	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:32:59	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6
2018/01/11 08:33:00	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6	25.0	61.6

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File name : THD-8_V3.0

C Data information

- C1** Logging start time
- C2** Number of records
- C3** Total logging time
- C4** Max/Min Temp. (display red if breach)
- C5** Average temperature
- C6** Avg. of breach temp.(High) Avg. of breach temp.(Low)
- C7** Logging stop time
- C8** Number of alarm
- C9** Total alarm time
- C10** Max/Min Humi. (display blue if breach)
- C11** Average humi.
- C12** Avg. of breach humi.(High) Avg. of breach humi.(Low)

F Detail Data information

- F1** Logging date
- F2** Max/Min. breach temp.
- F3** Max/Min. breach humi.
- F4** Temp. breached(high or low limit). *
- F5** Humi. breached(high or low limit). *

* If temp. and humi. both breach, it will display red.

- 1** PDF created time
- 2** PDF name
- 3** Logging time period
- A Datalogger information**
 - A1** Serial number
 - A2** Software version
 - A3** Logging type
 - A4** Detail infor. (extended/unextended)
- B Device setting**
 - B1** Record frequency
 - B2** Temp. up limit
 - B3** Temp. low limit
 - B4** Humi. up limit
 - B5** Humi. low limit
- D Line indication for parameters**
- E Graph**

B-2


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HTLog THD Logging software

User can make configuration by this software

Installation

※ Please complete driver installation before using this software

1、Open Installer folder, press  setup.exe , install according to the indication.

2、After installation, this icon will show on the desktop



Software manual

1、Open software, press  , enter into the configuration page

2、Connect datalogger to computer, press  to search the device and load.

The screenshot shows the HTLog THD software interface. On the left, there is a dark sidebar with four icons: a gear for 'Setting', a download arrow for 'Download', a document for 'Search record', and a line graph for 'Graph comparison'. The main window contains the following configuration options:

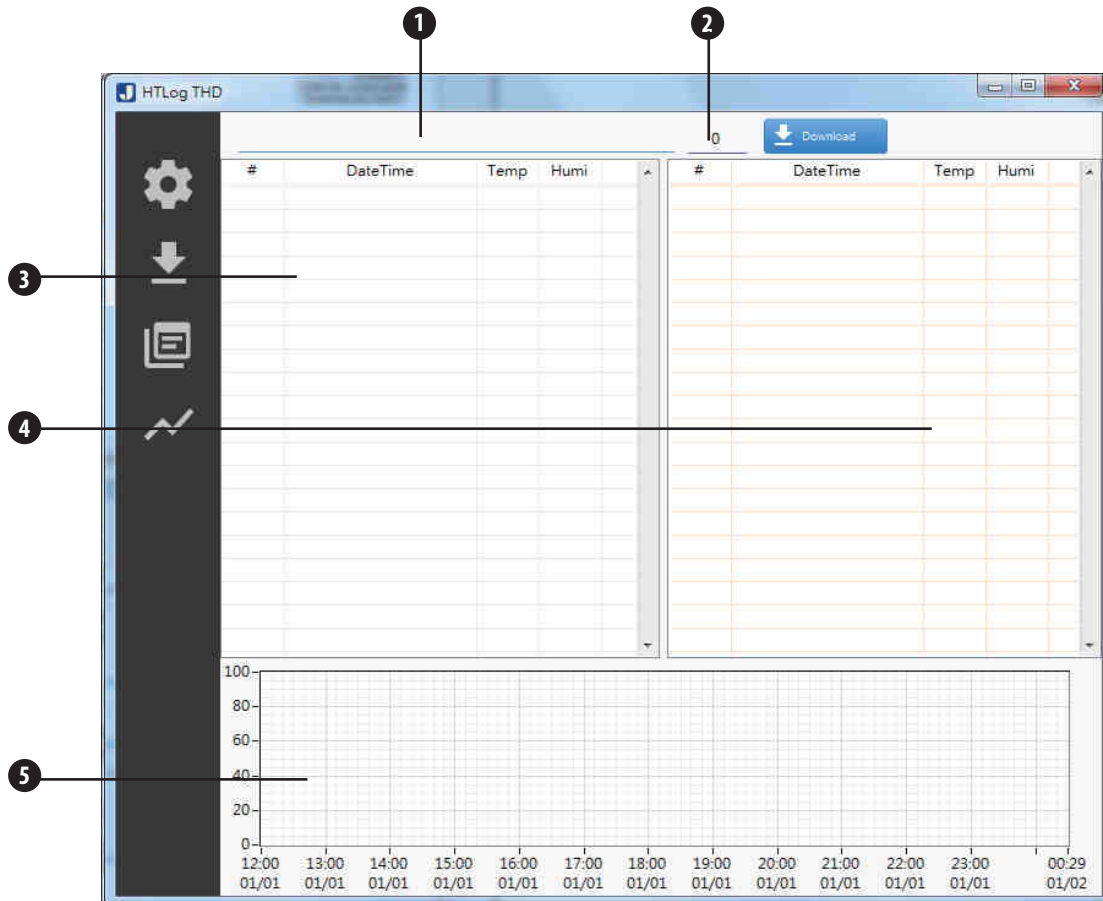
- 1**: A dropdown menu for 'Name' currently showing 'THD-08' and an 'Update' button.
- 2**: 'Recording Interval' section with three spinners for 'Hour' (0), 'Minute' (0), and 'Second' (5).
- 3**: 'Temperature and humidity alarm' section with radio buttons for 'C' (selected) and 'F'.
- 4**: Four sliders for alarm thresholds: 'Temperature Min' (10), 'Temperature MAX' (36), 'Humidity Min' (35), and 'Humidity MAX' (55).
- 5**: 'Offset(PVS)' section with spinners for 'Temperature' (0) and 'Humidity' (0).
- 6**: A '產生PDF報表' (Generate PDF Report) section with two radio buttons: '簡易' (Simple) and '詳細' (Detailed).

- ① Datalogger name, could be revised.
- ② Record frequency, Min. 5 second, Max. 24 hours.
- ③ Temp. Unit°C, °F
- ④ Temp. alarm range. 20 ~ 80°C (0-110°F)
Humi. alarm range. 0~100% rh
- ⑤ Temp. correction range ±5
Humi. correction range ±10
- ⑥ PDF report type(if need detail information)

3 · Download record

In  page, press  and download the data to software.

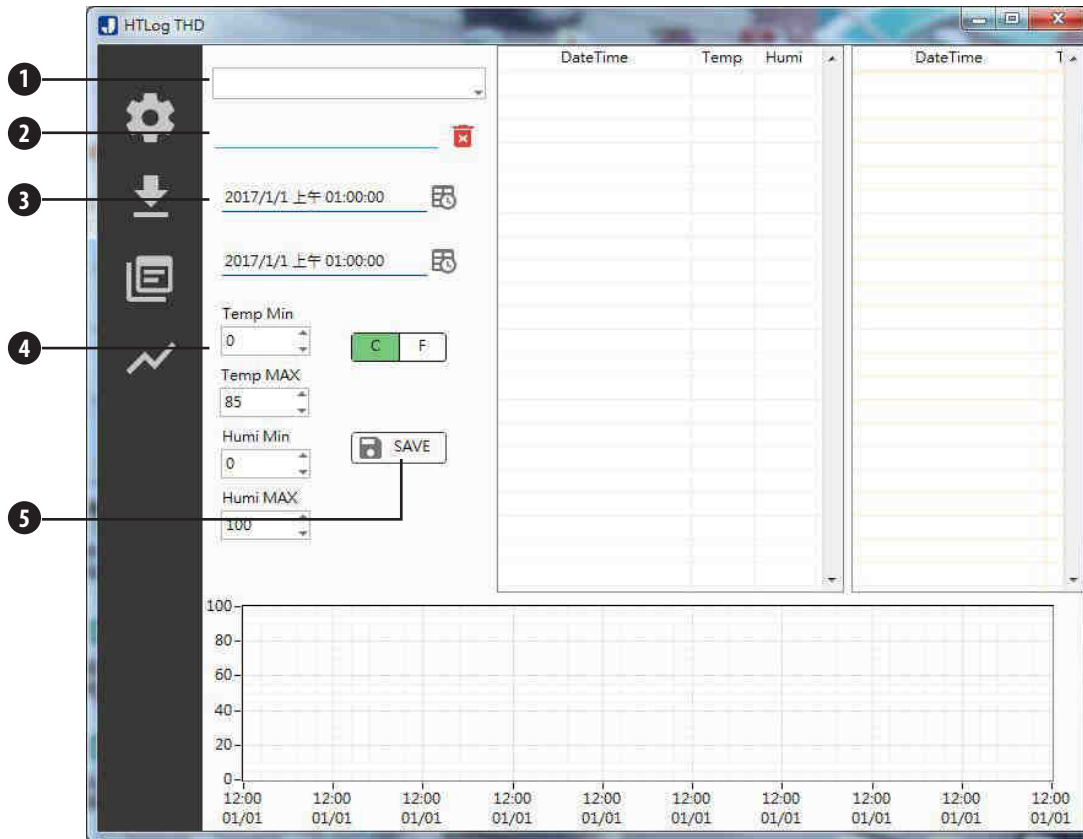
After loading, data will be saved to database, and can be searched in “Search Record” page.



- ① Datalogger name
- ② Number of record
- ③ Data of record
- ④ Data of alarm record
- ⑤ Graph of Temp. and Humi.


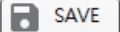
4、Search history record

Press  search downloaded history record and graph.




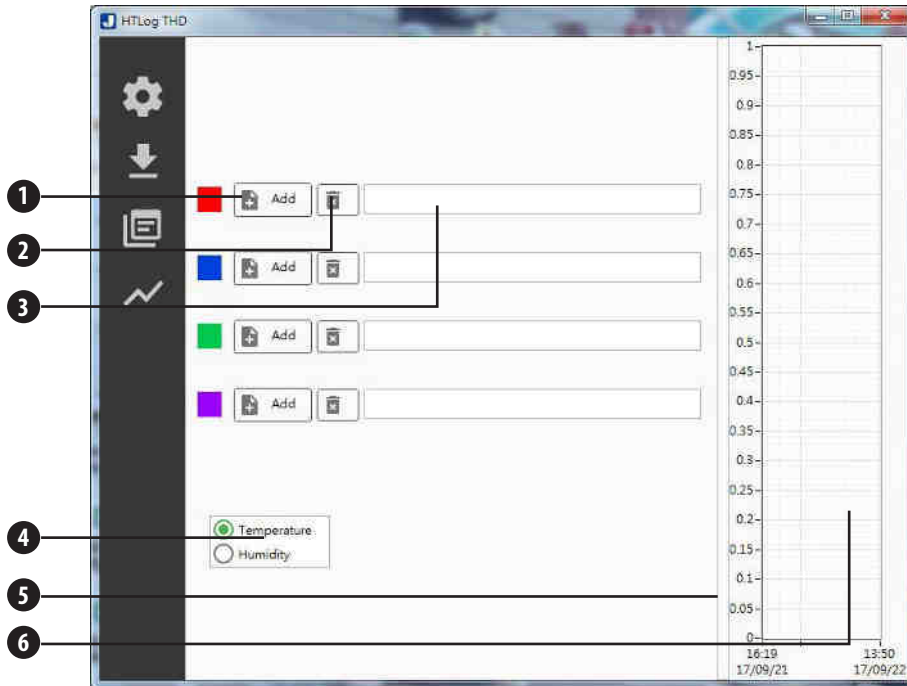
① Device name

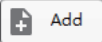

Device will be named by ID+first logging time, if repeat, will add numbers.
After selected device, time range will be datalogger recording period, and the latest Time. & Humi. alarm range. The range could be reset, but will not be saved for next review.

- ② File name, press  to delete this file. ※Noted!The file couldn't be resumed after deleted.
- ③ Time period of search.
- ④ Max./Min. Temp.& Humi.and Temp. unit of search.
- ⑤  SAVE Save record data(.CSV)

5、Graph Comparison

Press  compare four sets of recording graph.



- ①  Add Import file
- ②  Delete selected file.
- ③ File name
- ④ Choose to compare Temp. or Humi.
- ⑤ Press this column can extend graph to full screen.
- ⑥ Graph comparison.