

Temperature & Humidity Data Logger



USER'S MANUAL

SYS-TH-L

THANK YOU FOR PURCHASING SYS-TH-L. PLEASE READ THIS INSTRUCTION
MANUAL CAREFULLY TO USE THE PRODUCT CORRECTLY.

CAUTIONS ON USE

FOR SAFETY PURPOSE, FOLLOWING SYMBOLS ARE USED IN THIS MANUAL.

 Warning	Verify correct wiring before turning on electricity since incorrect wiring may cause an equipment failure or a fire. Modification of this equipment may cause malfunctioning or a fire. Do not add modification on this equipment.
 Caution	Wiring : Do not use empty terminals for irrelevant purposes. Operation : Do not use a shap-pointed tool for operating keys.

- Hand over this operation manual to a person who actually operates the product.
- Do not reprint or duplicate this manual without permission.
- Content of this manual may be subject to modification without prior notice.
- We are not liable for any faults arising from misuse of the product.

FUNCTIONS

⊙ Temperature and humidity high alarm setting

Breach: display value will flash

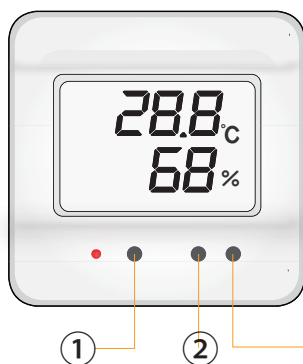
⊙ Temperature and humidity offset setting

Adjustable: Temperature $\pm 3^{\circ}\text{C}$ & Humidity $\pm 5\% \text{RH}$

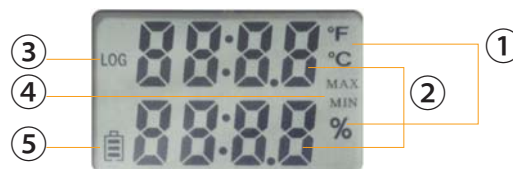
⊙ Max/Min day Temperature and humidity display

Automatic update every day (day & time is consistent to computer's)

DISPLAY AND ICON ILLUSTRATION



- ① ON/OFF
- ② Mode
- ③ Rec



- ① Unit
- ② Measure Value
- ③ Upon Logging
- ④ Max/Min Day Temp.& Humi. Display
- ⑤ Battery Capacity

OPERATION

1. Press "ON/OFF" button to power on/off logger, can't power off upon logging

* Please stop logging before load by USB

2. On Display mode, press "Mode" button to show below information.

A. Time display

B. Day max value, update at 0:00 every day

C. Day Min value, update at 0:00 every day

3. Start logging: On display mode, press "REC" button and start logging first data, red led flash every time it record. After logging, can't stop it within 3 seconds.

4. Stop Logging:

A. Press "REC" button to stop logging and return to display mode

B. When connect to software, automatic stop logging


SOFTWARE OPERATION


◎ Installation

1. Please install USB driver first, in “Dirvier” folder:
Windows 32 bit please execute CP210xVCPInstaller_x86.exe
Windows 64 bit please execute CP210xVCPInstaller_x64.exe
2. Enter “installer” folder, execute setup.exe, install logging software
3. After installation, there will be Chinese and English shortcut on desktop, choose the one you need.

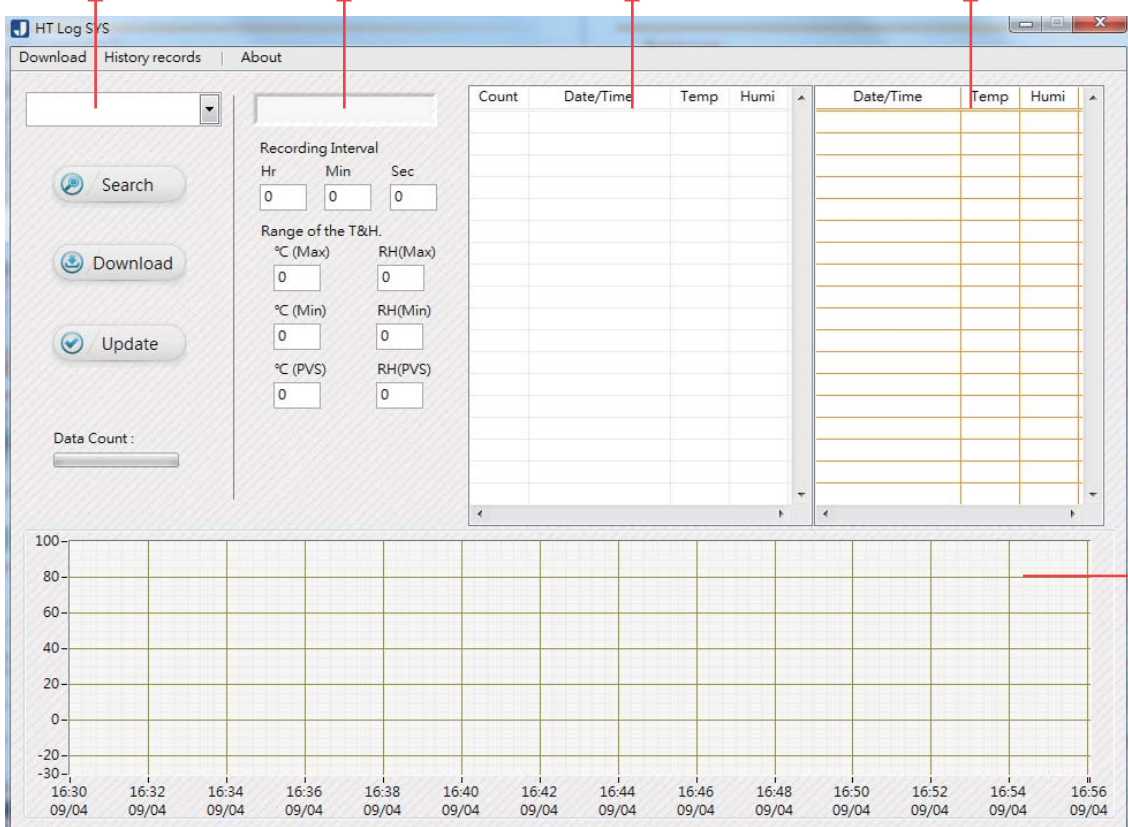
◎ Connect

* First connect, please link to software, press  Update to synchronise time.

After connect SYS-TH-L to computer, press  Search so it will automatic search and get the setting.

Please note, if directly press  Download, software will ask whether downloading the record data directly

FUNCTION **SETTING** **RECORD** **ALARM RECORD**



GRAPH
(Moving cursor on to the graph will show point temp. & humi.)

⊙ SETTING

① [Empty text field]

② Recording Interval
Hr Min Sec
0 0 0

Range of the T&H.

③ °C (Max) ④ RH(Max)
0 0

°C (Min) RH(Min)
0 0

⑤ °C (PVS) ⑥ RH(PVS)
0 0

① ID setting

11 characters, limited to english, number and “@, - , _”symbol.

If exceed, will delete redundant characters.

If less, will add”_”at the end.

*ID is necessary, can't include space characters.

② Logging rate (1 second to 24 hours)

③ Temperature range (-20 to 70°C)

④ Humidity range: -20 to 70°C

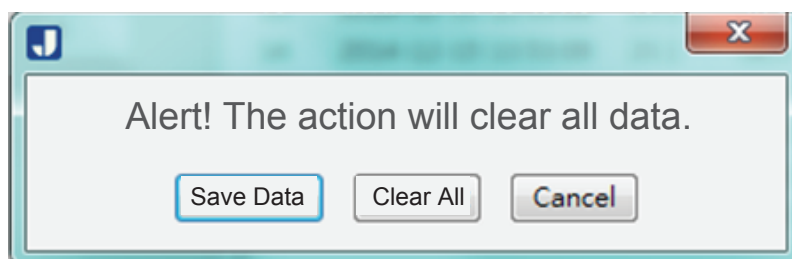
⑤ Temperature offset: -3.0 to 3.0(for example:1.5)

⑥ Humidity offset: -5.0 to 5.0(for example:1.5)

⊙ UPDATE SETTING

Press  / Update to update the setting.

* When update, it will delete all record data, if need to save it to computer, please choose “update after download”. Or choose “directly delete” if not need.



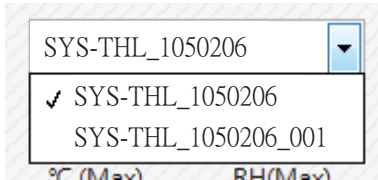
⊙ DOWNLOAD

Press  / Download to download the data to computer.

◎ SEARCH


This page will save data which have been downloaded, and could be searched from history record page.

① Choose Device




Device will be named by ID+ first record time, if repeat, number will be added at the end.

After selected device, time range will be datalogger recording period, and the latest Time. & Humi. setting range. The range could be reset, but will not be saved for next review.

② Press  / Search to start search.

③ Press  / Delete to delete selected file.

* When abnormal power off happened, please connect software and press  / Update to synchronise time, which can avoid data abnormality that may cause download difficulty.