

# Temperature & Humidity Datalogger

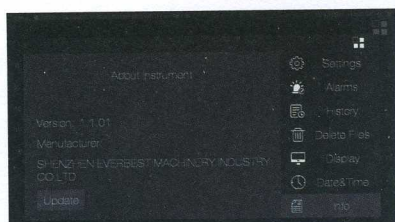
## User Manual



Rev.170113

Please read this manual before switching the unit on.  
Important safety information inside.

### 5-7.Info



1-Version: current versions

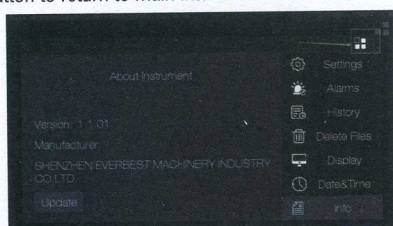
2-Update: click the button to update software

#### Note: the upgrading app is follows:

- 1-The instrument is connected to the computer via a USB cable
- 2-Find out in hard drive of the instrument in the computer, and then copy the latest APP to the download directory of the instrument
- 3-Click "Update" to realize upgrade

### 5-8.Exit Menu

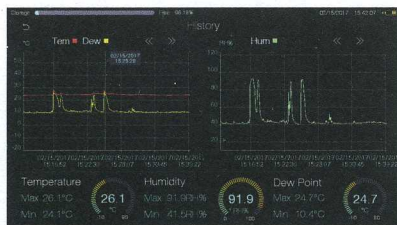
Click this button to return to main interface.



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If select Open, it will jump to the history recorded interface, as follows:



### 5-5.Delete Files

CSV file is generated automatically, and could be reviewed after connected to the computer.



- 1-Delete: select a file, click "Delete", the selected file will be deleted.
- 2-Select All: delete all files.

### 3-Specification

Humidity range	0 to 100%
Humidity accuracy	±2.0%(at 25°C, 20%- 80%RH) ±2.5%(at other ranges)
Temperature range	-10 to 80°C(14-176°F)
Temperature accuracy	±0.5°C(±0.9°F)
Dew point temperature range	-20 to 80°C(-4-176°F)
Internal storage	8GB
Adaptor	5V 2A AC adaptor
Battery	2500mah Lithium battery

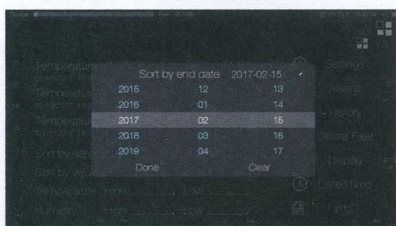
**Packing:** Temperature & Humidity datalogger, USB cable, adapter, probe and extension cord



**Alarms:** view recorded alarm value.

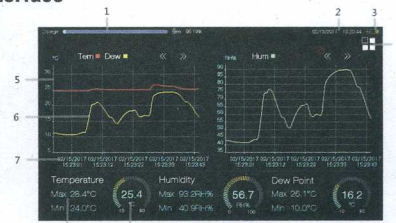


**Sort by date:** view recorded alarm value by date sorting.



### 5-Operation Interface

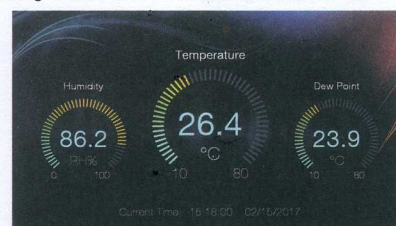
#### 5-1.Main interface



- 1-Memory progress bar, "used" indicating used memory, "Free" indicating the remaining memory.
- 2-System real time.
- 3-Battery capacity.
- 4-Menu function.
- 5-Numerical scale of the temperature, humidity and dew point.
- 6-Three curves represent trend of temperature, humidity and dew point.
- 7-Numerical scale of date and time.
- 8-Max/Min.
- 9-Value of real-time temperature, humidity and dew point.

#### More

The datalogger will automatically give a better HD view in order to watch, when no one is operating it more than 1 minute. As shown below:



In this picture, it will jump back to the main interface when you touch the screen.



## 1-Product Description

This product is a recording instrument of temperature, humidity and dew point, can record and detect the changes of ambient temperature and humidity in real time, and show it via curve and digital form, and the recorded data will be saved in the instrument by History way, in order to achieve the effects of continuous recording of ambient temperature and humidity.

### Applications:

Food production, environmental monitoring, health care, fire safety, plant warehouses, office and accommodation etc.

## 2-Futures

- 1-High accuracy measurement
- 2-Graphical/digital interface
- 3-Multi-function menu interface, content-rich, interactive
- 4-Large high-resolution color LCD display, resolution 1024\*600
- 5-Touch screen operation, zoom in/out curve
- 6-High and low temperature alarm, and review the value of alarm
- 7-Display the changes of temperature and humidity rapidly
- 8-User selectable °C/°F
- 9-Max/Min
- 10-Date and time setting
- 11-Brightness adjustment and select the time of screen saver
- 12-Export the recording data to computer
- 13-2500 mah Lithium battery
- 14-USB Interface for charging
- 15-Built-in desk stand and wall mounting bracket

**Display:** adjust the brightness of screen.

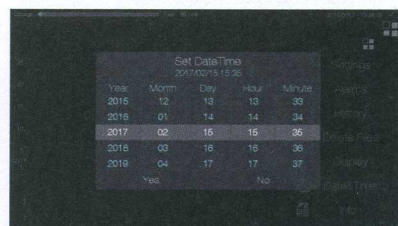


Drag Brightness button to adjust brightness of screen.

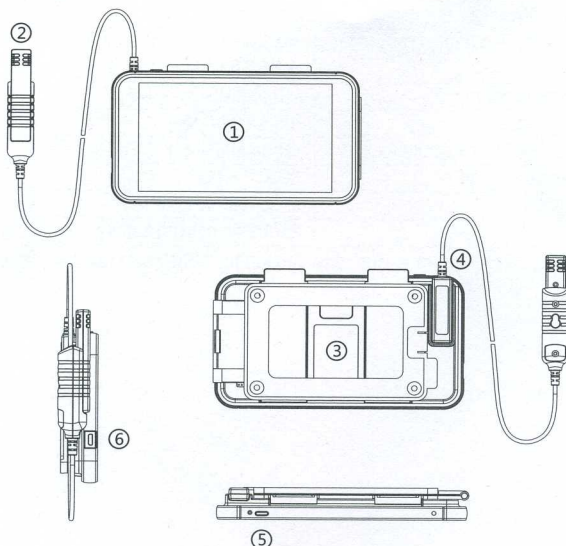
## 5-6.Date & Time



Click the area of time to set date and time. As follows:



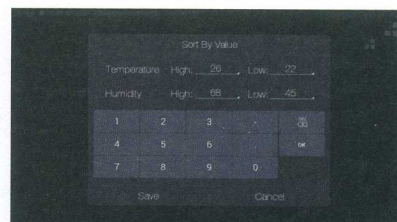
## 4-Description



- 1-Touch screen
- 2-Probe
- 3-Built-in desk stand and wall mounting bracket
- 4-Slot for short probe and the probe of extension cord
- 5-On/Off button
- 6-USB interface for charging power and reviewing data via PC

**NOTE:** before operating the datalogger, please insert the probe ② into the probe socket ④ at the back of the datalogger, and then press the On/Off button ⑤ to turn on it.

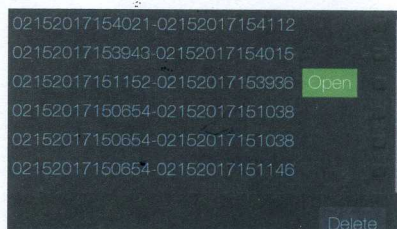
**Sort by value:** view recorded alarm value by value of temperature and humidity.



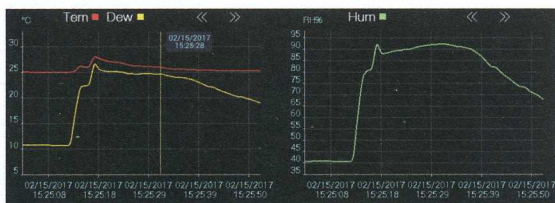
**History:** review history data



- 1-Select "All" and click "Delete", it will delete all history files.
- 2-Click history recorded files, and pop Open/Delete option



## 5-2.Chart area



- 1-Red curve indicates trend of temperature
- 2-Green curve indicates trend of humidity
- 3-Yellow curve indicates trend of dew point
- 4-Ordinate scale indicates the value of temperature, humidity and dew point
- 5-Abscissa indicates the date and time
- 6-The value of a certain point in time. (There will be a yellow line if you touch the area of curve, and you can move it by click the "last/next" icon << >>.)

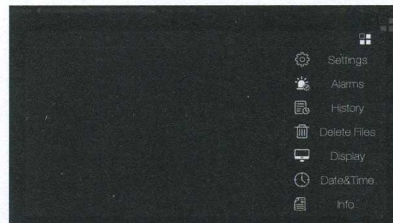
## 5-3.Digital area



- 1-"Temperature" indicates value of temperature.
- 2-"Humidity" indicates value of humidity.
- 3-"Dew Point" indicates value of Dew point.
- 4-Click on the circle of Tem/Rh/Dev, it will jump back to the HD view.

## 5-4.Menu

Click Menu button in main interface to come into below interface, can set various parameters and view version information etc.



**Settings:** set parameter of temperature units and alarm value of temperature / humidity.



- 1-Temperature Unit: switch to units °F/°C
- 2-Alarm: check the box to set alarm value of the temperature and humidity.
- 3-Click "Save" to save setting parameter.

**Note:** after save the alarm value, If the alarm is triggered, the lamp will light up, and send beeps. Such as box shown in the pictures below: