1. Description

Hid TEMPerHUM thermometer & hygrometer is a measurement device using USB port to connect to a computer . It can measure the temperature and the humidity of the machine and the environment accurately and can calculate the dewpoint automatable. It must be connect to the computer to start working .Hid TEMPerHUM can be used in computer room, weather, environment and special environment temperature and humidity testing.

2. Function & Feature

Range of temperature: TEMPerHUM -40~+85 C; -40~+185F;

Resolution rate of temperature: 0.06C

Temperature sensor :

(1) +/- 0.5C   accuracy   (Typical)

(2) +/-1C   accuracy   (Maximum @ 0 to 70C)

Range of humidity:0~100RH%

Resolution rate of humidity:0.03RH%;

Precision of humidity: +/- 4.5 RH%   20RH%~80 RH%;

Voltage: 4~6V;

Electricity:< 10 mA;

Voltage : 5V

Support Windows NT,XP, VIST;

Memory requirement: 20M

Data autosave to be txt Or csv format, can be open by excel;

Send mails function

Graph transfer function

New Function

(1)TXT Special button:

As long as you long pressing the TXT button for 1 seconds, you can read the temperature and humidity no matter in excel, text or word form without running software. If to stop the reading, press the TXT button again . Easy operation! Solve your installed software and cross-platform used troubles!

(2) Caps lock and Num Lock:

You don't want to install software, OK! You can use the Caps lock and Num lock function.

As long as you long press the caps lock or num lock for 3 seconds, you can read the temperature and humidity no matter in excel, text or word form without running software. Then you can create curve.

A	B	C	D	E
	CAPS LOCK:ON/OFF/++			
	NUM LOCK:OFF/ON/--	UNIT:C %		
2011-6-21	04:41 PM	48.25	30.87	3
2011-6-21	04:41 PM	47.33	30.9	3
2011-6-21	04:41 PM	46.9	30.92	3
2011-6-21	04:41 PM	46.5	30.89	3
2011-6-21	04:41 PM	46.18	30.72	3
2011-6-21	04:41 PM	46.24	30.71	3
2011-6-21	04:41 PM	46.27	30.67	3
2011-6-21	04:41 PM	46.26	30.62	3
2011-6-21	04:41 PM	46.26	30.56	3
2011-6-21	04:41 PM	46.28	30.5	3
2011-6-21	04:41 PM	46.34	30.46	3
2011-6-21	04:41 PM	46.48	30.44	3
2011-6-21	04:41 PM	46.54	30.38	3
2011-6-21	04:41 PM	46.6	30.35	3
2011-6-21	04:41 PM	46.66	30.33	3
2011-6-21	04:42 PM	46.76	30.34	3
2011-6-21	04:42 PM	49.88	30.46	3
2011-6-21	04:42 PM	51.43	30.55	3
2011-6-21	04:42 PM	53.64	30.66	3

(3) PCsensor USB series products, can be used on the mobile phone through OTG interface line.

Q1: What are these products mainly include?

A: TEMPer2 ,TEMPerNTC, TEMPer1F, TEMPer1F_H1, TEMPerHUM, TEMPer1K3, TEMPer1K4, TH1000 ISO, TEMPerF, TEMPe8 series (TEMPer8_D2, TEMPer8_D4 TEMPer8_D8,TEMPer8_H2 TEMPer8_H4, TEMPer8_H8 TEMPer8_T2, TEMPer8_T4, TEMPer8_T8, etc.)

Q2: what are the common OTG interface of mobile phone?

A: millet, samsung, etc.

Q3: how to validate if your mobile phone is in line with the OTG?

A: Use OTG line connecting a mouse or keyboard, see if the mouse is normally used in conformity with the OTG.

3. INSTALLING INSTRUCTION

Software installing instruction: please go to our website to download the process

a) Install dotnetfx.exe, if your computer system is Vista, may be you don't need to install this process. Dotnetfx.exe is framework 2.0 of Microsoft; you can download it from the website of Microsoft;

b) Decompress TEMPerV25.9.rar to your computer, and running TEMPerV25.9.exe.

Hardware installing:

Plug the Hygrometer into the USB port of the computer to connect it. If you plug it correctly the red light in the device will be turned on.

5. Operating instruction (Note: Our software just only support windows system .)

1)LOG

Record the Real-time Temperature Data and Save Them in the Related File Automatically. (see picture4)
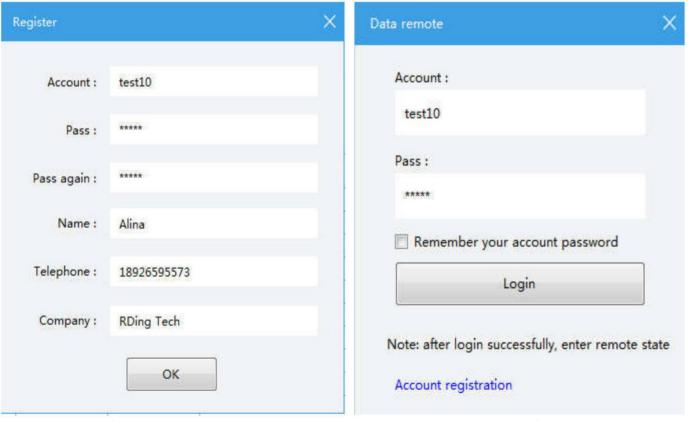

Picture 4 LOG

2) CURVES DISPLAY

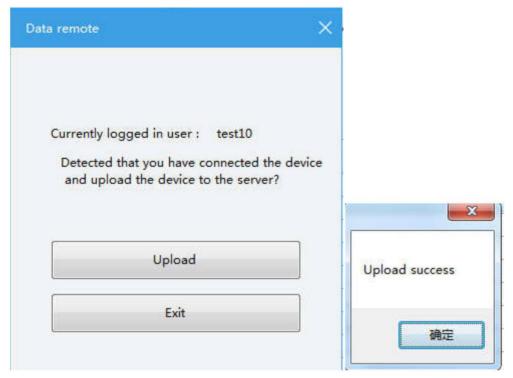Picture 5 Curve

3) **Data remote**

Click "Data remote", Register new account and login (See Step1~Step3); then login the remote account.
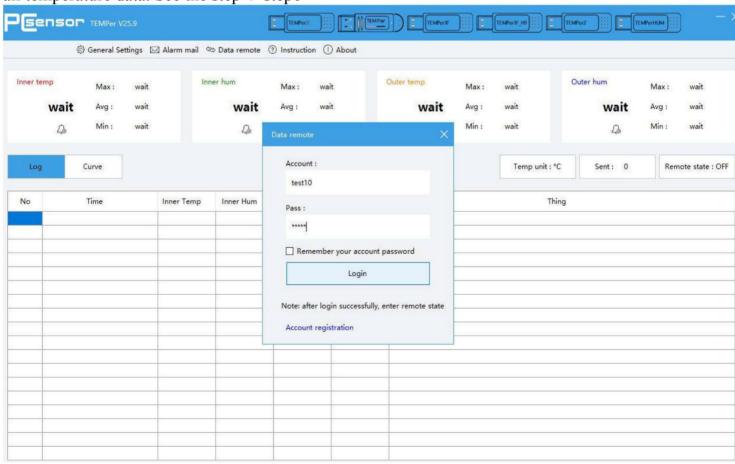

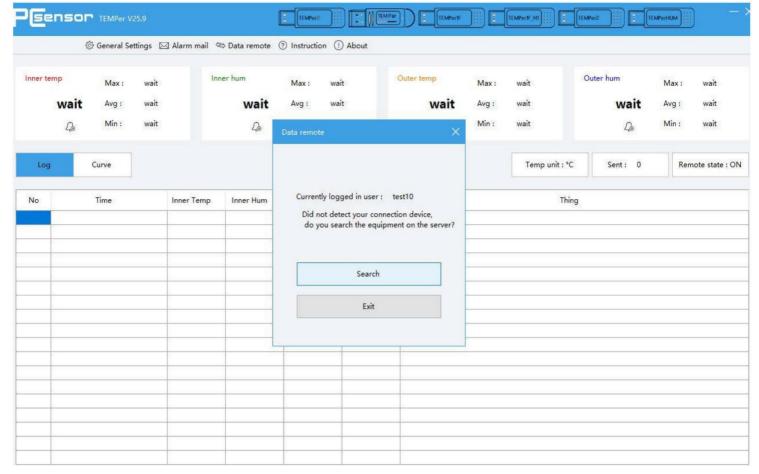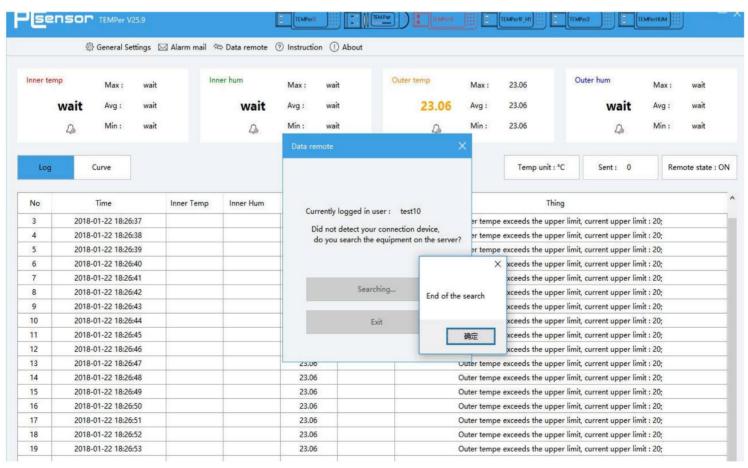Step 1   Step 2

<div align="center">Step3</div>

Then running the software on another computer and login the remote account. You will get the all temperature data. See the step 4~step6

<div align="center">Step4</div>
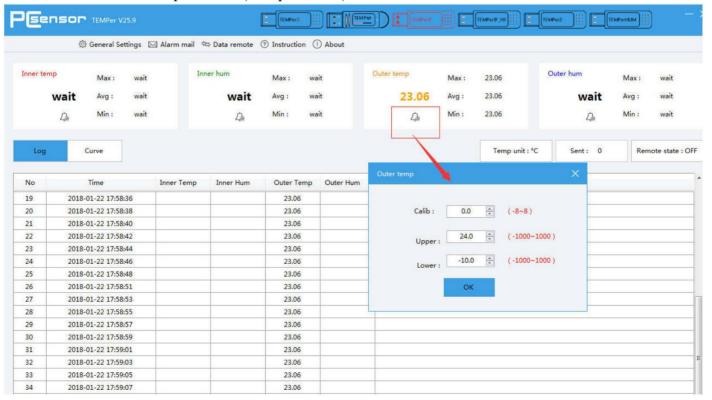
Step5

Step 6

5) SETTING
Click "General settings", see the picture 6.

Picture 6

7) ALARM SETTING
Each sensor has an alarm bell, Select the corresponding alarm bell to set the temperature of alarm and calibrate temperature. (See picture 7)
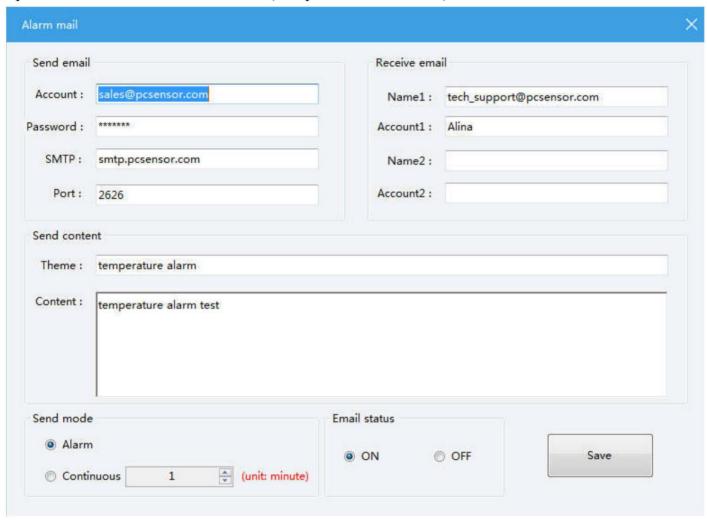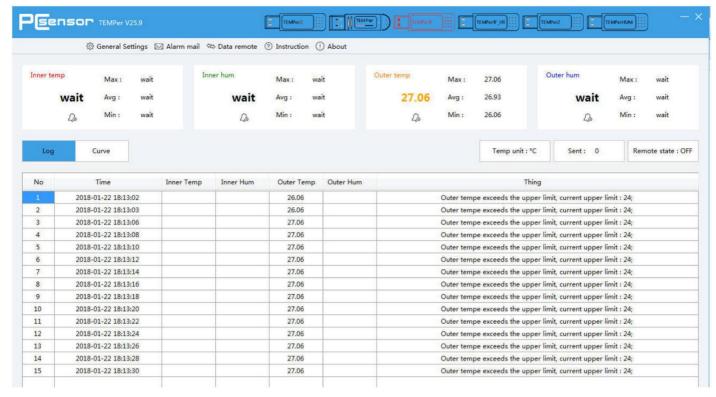

See picture 7

4) EMAIL FUNCTION

Fill in the Related Information of Email and Save it. The Requirement of Send Email: Support POP3/SMTP and Other Server Port. Receive Email you can fill in two.

Related Function: 1) when the Alarm is on, it will send the Email to Specified Email Box Automatically if the Temperature Reach the Alarm Limit. 2) It can send Email Continuously to the Specified Mail Box. You can set the Sending Interval, and then it will send the Email to the Specified Mail Box at Set Intervals. (See picture 8 ~Picture9)

Picture 8 Email Setting
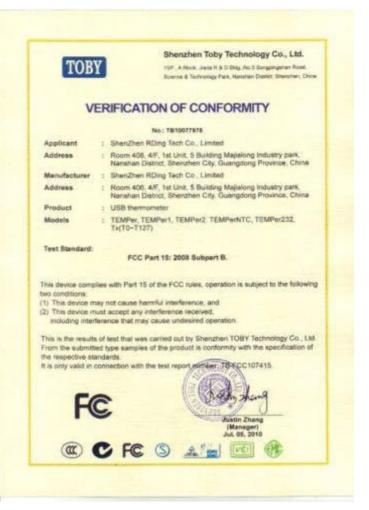
Picture 9　　Email setting

5. Packing specification

Name of the part	Specification	Quantity
TEMPerHUM		1
Driver CD	3.5inch	1
USB extended cable	0.8m	1
Product Verification Certificate	-	1

(Weight of TEMPerHUM: 70g)

(NOTICE: In order to reduce the volume of goods and reduce the freight, and sometimes we will get rid of plastic packaging products)

6. Certificate

Note: If you want to download the latest software, please click here:www.software.pcsensor.com