

Temp (RH) Management Software

——User manual

Status	<input type="checkbox"/> Draft <input type="checkbox"/> Review <input checked="" type="checkbox"/> Release <input type="checkbox"/> Revise		
Version NO.	1.2		
Author	Sandy	Time	2021.07.26
Review	Lisa	Time	

Overview

Temp (RH) Data Management Software is used for the analyzing and managing of the temperature and humidity data recorded by our company data logger.

Integrates the most reliable temperature and humidity sensor measurement technology and the most advanced system kernel at present. It has the characteristics of reliable data, sensitive response, powerful functions, and easy operation. Temperature and humidity data during production, transportation, and storage, to achieve the programmable monitoring and traceability of the entire cold chain process, to ensure product safety.

Table of Contents

Overview	1
I. Software requirements	3
1. Compatible logger models	3
2. Installation Environment requirements	3
II. Install & Start	3
1. Start	5

2. Uninstall	6
III. Functions.....	6
1. Toolbar	6
2. Status Bar	7
IV. Read Data	8
1. Connect data logger	8
2. Read data form the logger	8
3. History Data.....	8
V. Summary	9
VI. Report.....	10
VII. Config	11
VIII. Database.....	15
1. Filter data	15
2. Comparison	16
3. View Detail	17
4. Delete Data.....	18
5. Backup & Restore	19
IX. Export.....	20
1. Export PDF、CSV、TXT data.....	20
2. Export Private file	20
3. Send E-Mail	21
4. Print.....	22
5. Import Data	22
X. FDA 21 CFR Part 11 Module	23
1. Enable FDA 21 CFR Part 11 Module	23
2. Create an initial administrator account.....	24
3. Login	24
4. Logout	25
5. Change password	25
6. Report digital signature	26
7. Audit.....	28
8. User	29
8.1 User	29
8.2 Authority Management.....	30
8.3 Signature Management.....	31
8.4 Security Strategy	34
8.5 Saft Mailbox.....	35
XI. Seettings	36
1. User Preference.....	36
2. Mail Seeting.....	36
3. Report Seeting.....	36
4. FDA 21 CFR Part 11 Module	37
XII. About the updated of the software	37
XIII. Questions	37

I. Software requirements

1. Compatible logger models

TZ-TempU03 (TempU03V3.21 or higher)
TZ-TempU04 (TempU04V1.04 or higher)
TZ-TempU06 L60 (TempU06V1.01 or higher)
TZ-TempU06
TZ-TempU06 L100
TZ-TempU06 L200
TZ-TempU08
TZ-TempU08B

2. Installation Environment requirements

Software requirement:

(If you do not have the following prerequisite software, please click [here](#) to view and download and install it.)

Operating system: Windows 7 or above.

Microsoft .NET Framework 4.0 or higher.

Computer administrator account.

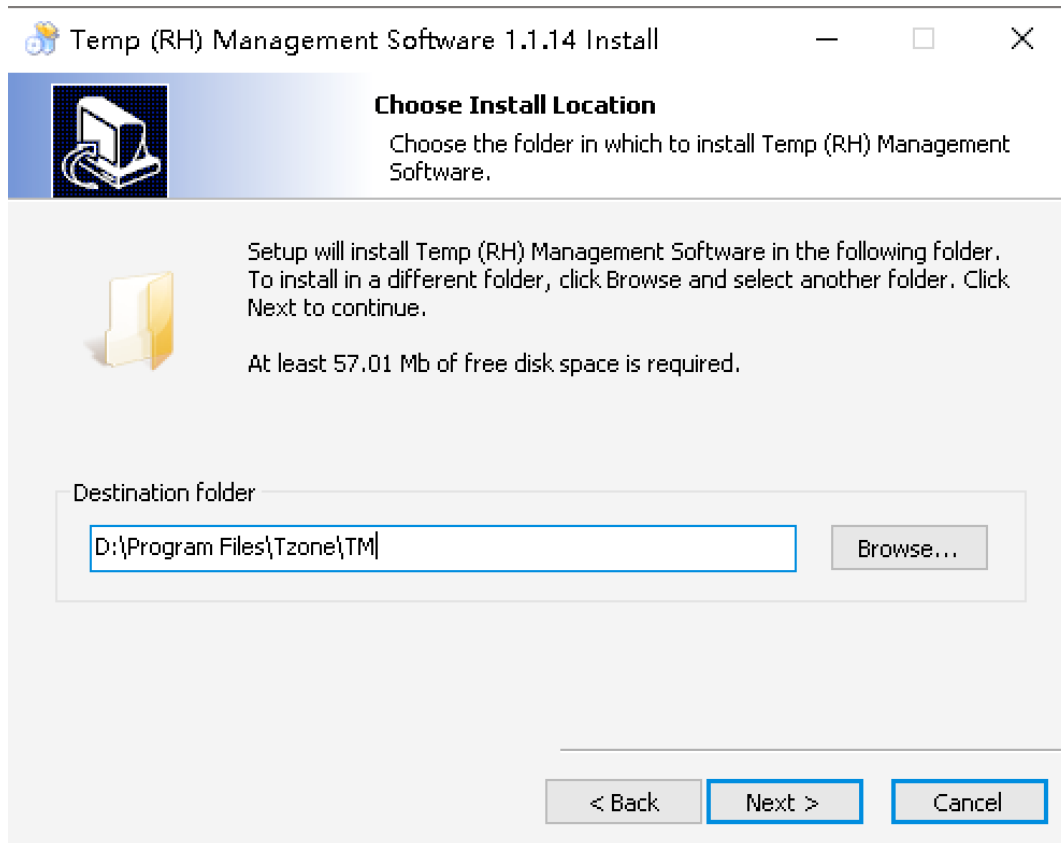
Hardware requirement:

- 1) CUP: 1GHz or more.
- 2) Memory: 2GB or higher.
- 3) Hard Disk: 1GB or higher.
- 4) Monitor: Display resolution is 1366 x 768 pixels or higher.
- 5) USB: 2.0 or higher.

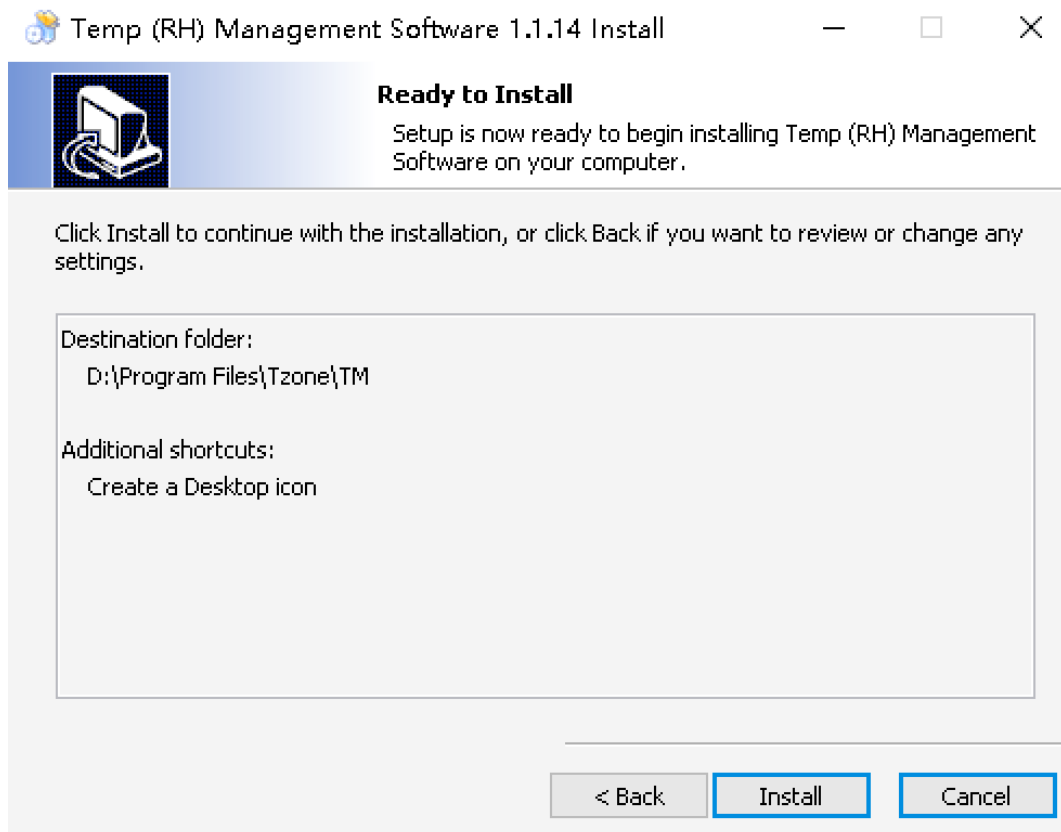
II. Install & Start

Double click installer to start installation. The installation steps are as follows:

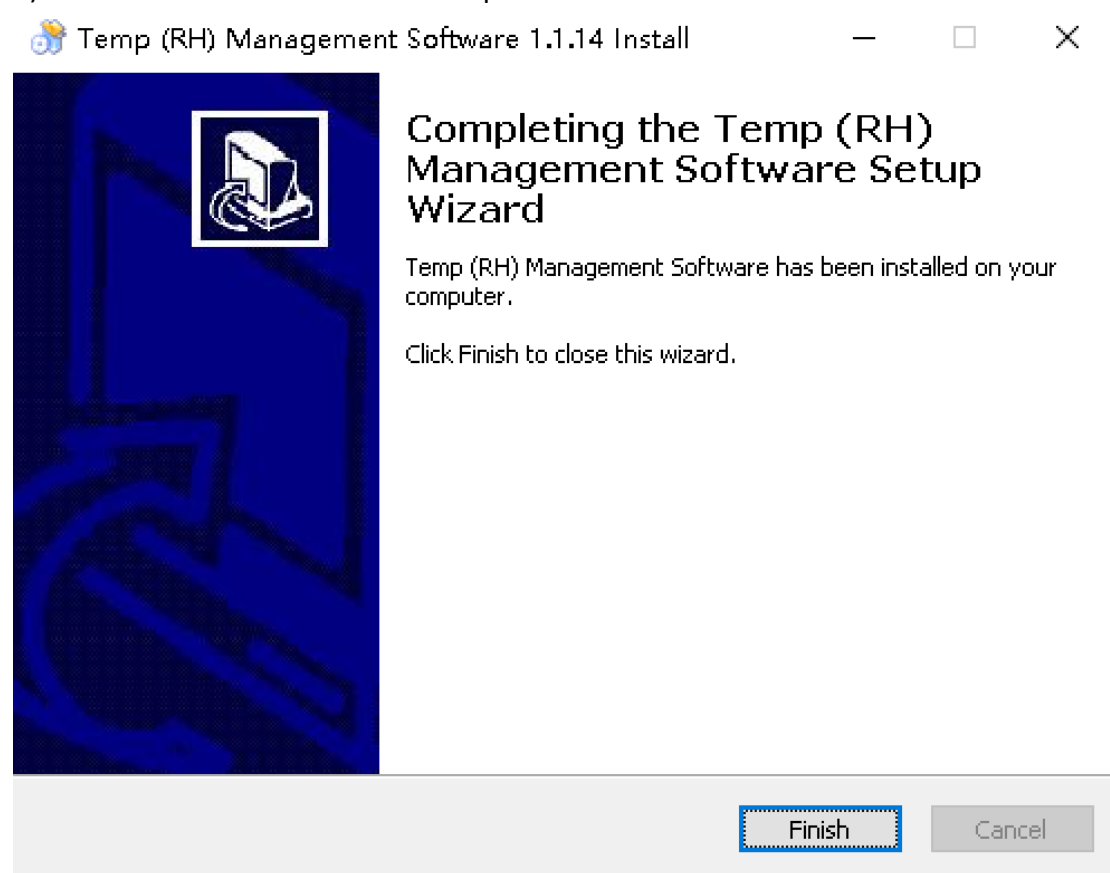
- 1) Choice Install Location.



- 2) Click the "Install" button, the installation program will install the "temperature and humidity management software" to your computer.

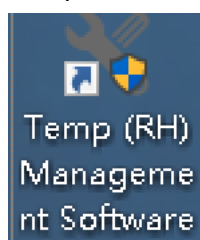


3) Click Finish and installation completes.

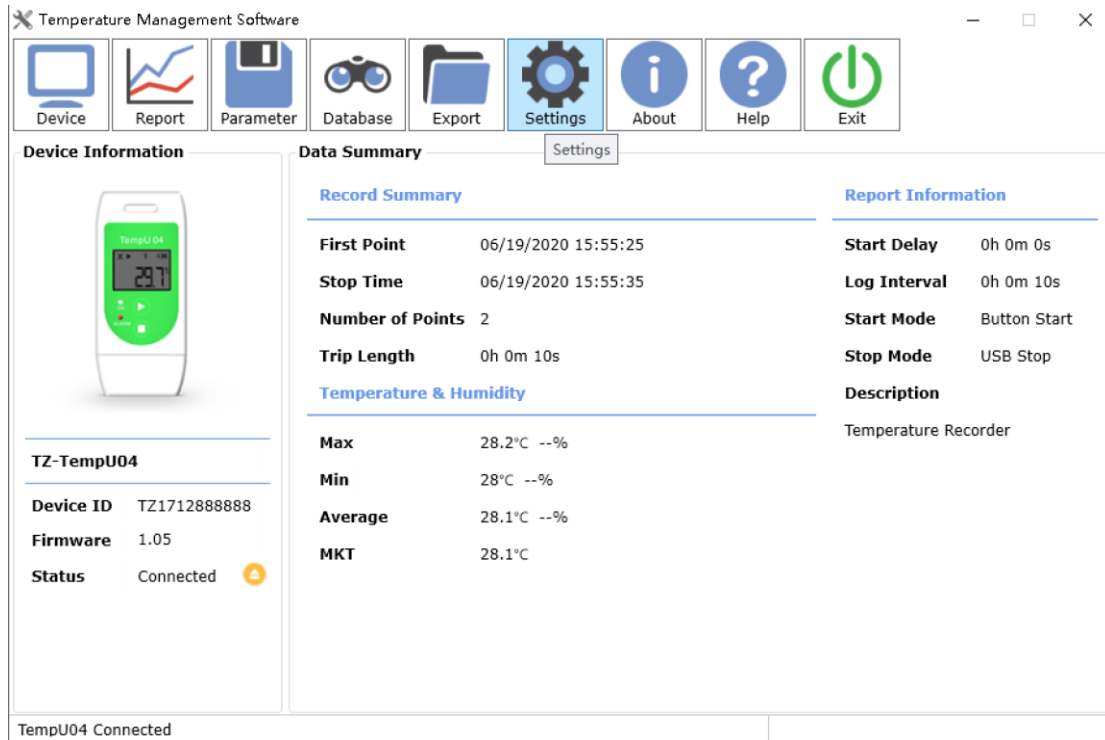


1. Start

After successful installation, you can find the software icon on the desktop of the computer as shown below.



After double-clicking the icon to open the software, the main interface of the software is as follows:



2. Uninstall

Open Windows Control Panel , Programs and Features and find the "Temp (RH) Management Software" uninstaller.

III. Functions

1. Toolbar



1) Device

After the user connects the data logger to the computer,the software will automatically read the data in the logger. After successfully reading the data of the logger,the software will display the device information of the logger in the summary information interface. At the same time, calculate and summarize the read data and display statistical results.

2) Report

The data chart includes graph and data table, and the data will be displayed here after reading the data by connecting the logger. Or draw the data from the historical data

for comparison and display. The graph is plotted according to the data. The data table will show all the data including serial number time and temperature or humidity.

3) Parameter

After the user successfully connects the logger to the computer, you can set the parameters of the logger here. Including: Recording interval, Startup delay, time trip description and alarm settings etc.

4) Database

Read the logger data will be automatically saved to the database, the user can view the data in the logger at any time. Data can also be filtered as needed. You can select the time range to view the data, support filtering alarm data, The data can be viewed and compared at the same time, Supporting multiple graph drawing, parameter comparison and other function.

5) Export

The imported data supports the processing of custom format data files, which is convenient for multi-user data share, view and print. It also supports send the data in the recorder by mail. This function will automatically export the data in the currently displayed data chart. It supports exporting to PDF, CSV and other format files and sending it to the mailbox specified by the user.

6) Settings

The user can set a custom date format. After the setting is saved, the format display will be updated after the data is retrieved. You can set the mailbox parameters. Including the SMTP server address and the sender's email account; Support LOGO modification in PDF reports.

7) About

Display the software information and version.

8) Help

Open the help document.

9) Exit

Exit the software.

2. Status Bar

Shows the status of the current recorder connection, progress of reading data etc.

IV. Read Data

1. Connect data logger

Before reading the data, please connect the logger to your computer.

Note: Only one logger can be connected to the software at a time. It does not support simultaneous operation of multiple loggers.

2. Read data form the logger

Insert the logger into computer and the software will automatically read the data from the logger.

3. History Data

【Operation path】 "Database" .

【Function Description】 After the data is successfully read, it will be automatically saved in the database. You can view the previously read data in the "Database" interface.

V. Summary

Device Information

TZ-TempU03

Device ID TZ1912230719

Firmware 3.21

Status Connected

Data Summary

Record Summary

First Point	06/19/2020 15:53:19
Stop Time	06/19/2020 16:23:19
Number of Points	4
Trip Length	0h 30m 0s

Temperature & Humidity

Max	27.2°C	54.1%
Min	26.8°C	52.6%
Average	26.9°C	53.3%
MKT	26.9°C	

Report Information

Start Delay	0h 30m 0s
Log Interval	0h 10m 0s
Start Mode	Button Start
Stop Mode	USB Stop
Description	Humiture Recorder

Sync Completed

【Device ID】 The unique ID of data logger, it can't be changed.

【Firmware】 The logger's internal program version number.

【Status】 The current working status of logger.

【First Point】 。 The time when the first point is recorded.

【Stop Time】 The time when the last point is recorded.

【Number of Points】 The amount of data the software reads from the logger.

【Trip Length】 The total time that the logger keeps recording.

【Start Delay】 The time from the logger started to the first point saved.

【Log Interval】 The interval time between two successive points of data.

【Start Mode】 The mode the logger to be started, including button start, timing start.

【Stop Mode】 The logger's actual stop mode, manual stop, USB stop and storage full stop.

【Description】 A brief description of the task.

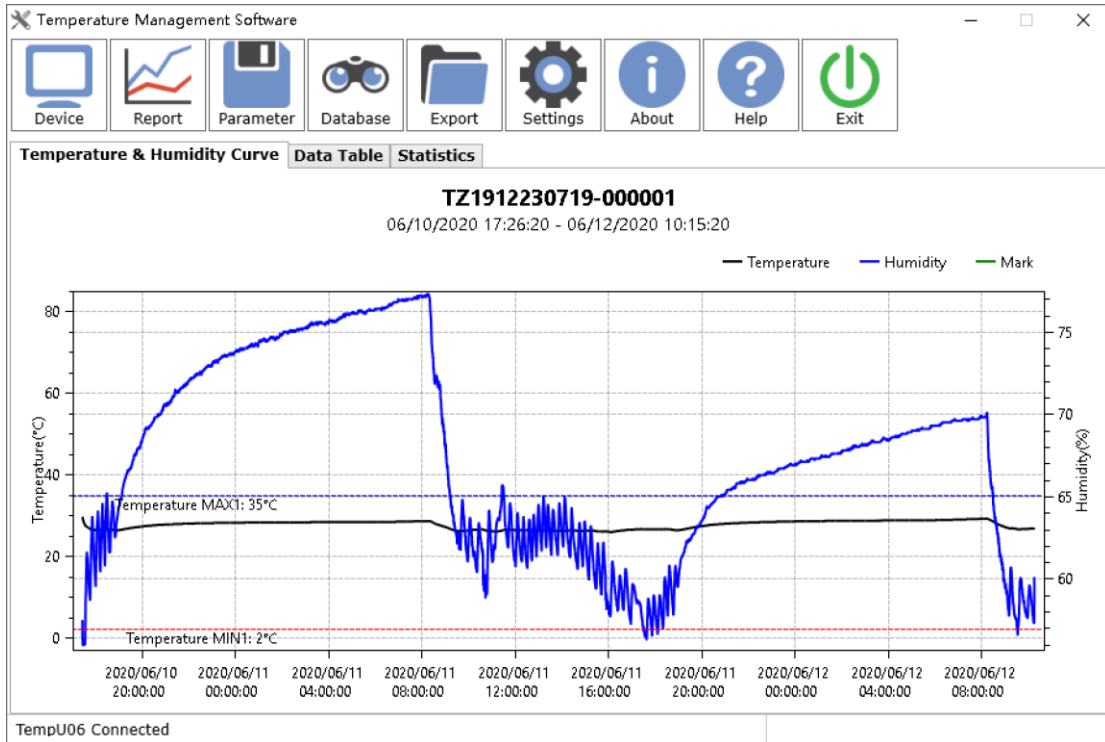
【Max】 The maximum value among the recorded temperature and humidity readings.

【Min】 The minimum value among the recorded temperature and humidity readings.

【Average】 The average value of the recorded temperature and humidity readings.

【MKT】 Average kinetic temperature value.

VI. Report

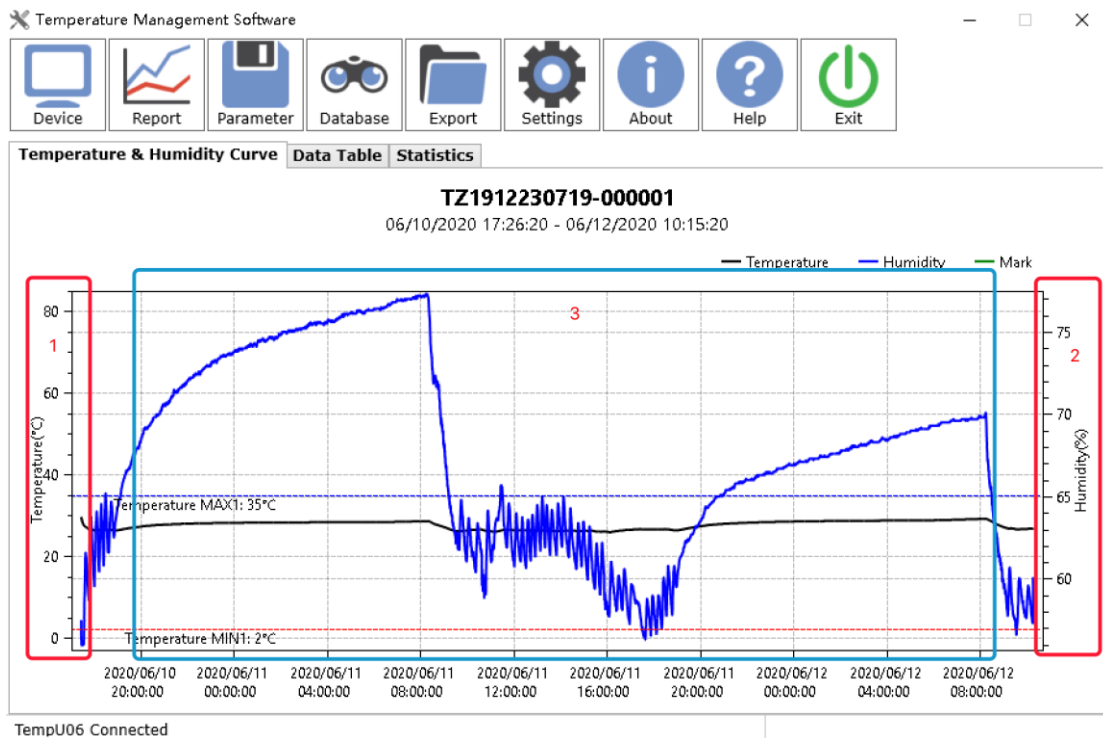


Temperature Management Software

Temperature & Humidity Curve | Data Table | Statistics

NO.	Temp	Hum	Time
1	29.5°C	57.5%	06/10/2020 17:26:20
2	29.5°C	57%	06/10/2020 17:26:30
3	29.4°C	56.5%	06/10/2020 17:26:40
4	29.4°C	56.3%	06/10/2020 17:26:50
5	29.3°C	56.3%	06/10/2020 17:27:00
6	29.3°C	56.2%	06/10/2020 17:27:10
7	29.2°C	56.1%	06/10/2020 17:27:20
8	29.1°C	56%	06/10/2020 17:27:30
9	29°C	56%	06/10/2020 17:27:40
10	29°C	56.1%	06/10/2020 17:27:50
11	28.9°C	56%	06/10/2020 17:28:00
12	28.8°C	56%	06/10/2020 17:28:10
13	28.8°C	56%	06/10/2020 17:28:20
14	28.7°C	55.9%	06/10/2020 17:28:30
15	28.7°C	56%	06/10/2020 17:28:40
16	28.6°C	56%	06/10/2020 17:28:50
17	28.5°C	56.1%	06/10/2020 17:29:00
18	28.5°C	56%	06/10/2020 17:29:10
19	28.4°C	56.1%	06/10/2020 17:29:20
20	28.4°C	56%	06/10/2020 17:29:30
21	28.3°C	56%	06/10/2020 17:29:40
22	28.3°C	56.1%	06/10/2020 17:29:50
23	28.2°C	56%	06/10/2020 17:30:00

TempU06 Connected



Black Line: Temperature.
reference line.

Dotted Line: Represents setting temperature alarm

Blue Line: Humidity.
reference line.

Dotted Line: Represents setting humidity alarm

Green Line: Mark.

Chart operation, as shown above:

1. move the mouse to the temperature axis, hold on the right button and drag the mouse to adjust the temperature range.
2. move the mouse to the humidity axis, hold on the right button and drag the mouse to adjust the humidity range.
3. move the mouse to the time axis, hold on the right button and drag the mouse to adjust the time range.
4. move the mouse to different axes, scroll the mouse wheel to adjust the scale.
5. click the left button of mouse to get the detailed time, temperature and humidity information.

VII. Config

TempU03 Config

Temperature Management Software

Device
 Report
 Parameter
 Database
 Export
 Settings
 About
 Help
 Exit

Device Information

Device ID: TZ1912230719

Device Time: 06/23/2020 17:41:08

System Time: 06/23/2020 17:41:13

Time Zone: +9 : 00

Temperature Scale: °C °F

LCD: Always Bright
 Closed Afte: 01 M, 00 S

Temperature Calibration: 0 [-5-5]°C

Humidity Calibration: 0 [-20-20]%

Logging

Log Interval: 00 H 10 M 00 S

Start Delay: 00 H 30 M 00 S

Stop Mode: Button Stop

Time Format: MM/DD/YY HH:MM:SS

Graphic Display: Combine Temp & RH

Start Mode: Button Timed

Timed Start Time: 2018 Y 01 M 01 D, 00 H 00 M 00 S

Alarm

Temperature MIN: 2 [-30,60]°C

Temperature MAX: 8

Humidity MIN: 40 [0-100]%

Humidity MAX: 80

Alarm Delay: 00 H 10 M, 00 S

Description

Humiture Recorder

Template files: [dropdown] Open file Save file Delete Read Save Default

TempU03 Connected

TempU04 Config

Temperature Management Software

Device
 Report
 Parameter
 Database
 Export
 Settings
 About
 Help
 Exit

Device Information

Device ID: TZ1712888888

Device Time: 06/23/2020 17:40:14

System Time: 06/23/2020 17:40:07

Time Zone: +9 : 00

Temperature Scale: °C °F

LCD: Always Bright
 Closed Afte: 01 M, 00 S

Temperature Calibration: 0 [-5-5]°C

Logging

Log Interval: 00 H 00 M 10 S

Start Delay: 00 H 00 M 00 S

Stop Mode: Button Stop

Time Format: MM/DD/YY HH:MM:SS

Start Mode: Button Timed

Timed Start Time: 2018 Y 01 M 01 D, 00 H 00 M 00 S

Alarm

Temperature MIN: 2 [-30,60]°C

Temperature MAX: 8

Alarm Delay: 00 H 40 M, 00 S

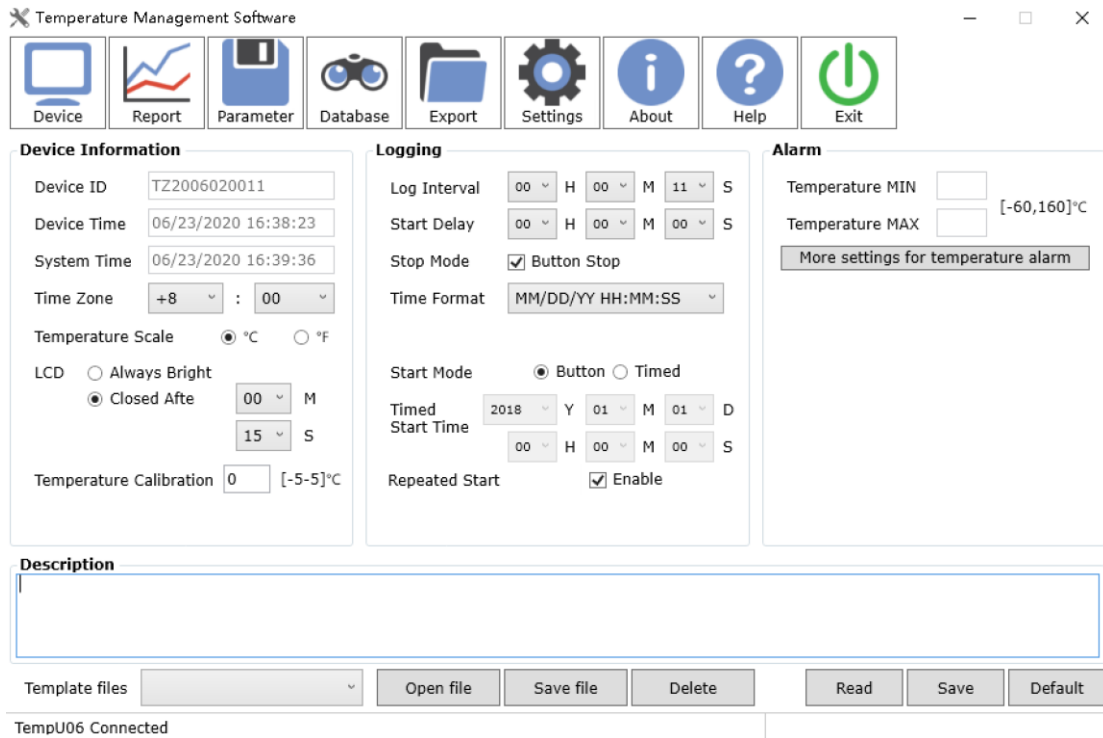
Description

Temperature Recorder

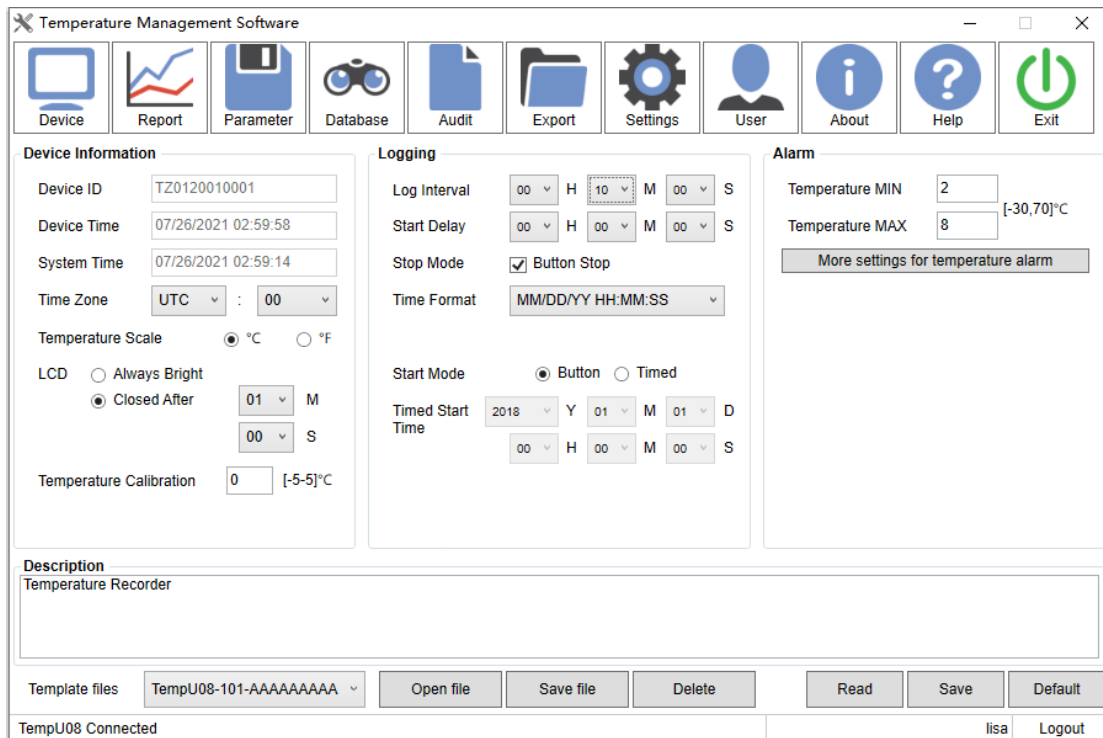
Template files: [dropdown] Open file Save file Delete Read Save Default

Sync Completed

TempU06 Config



TempU08 Config (It cannot be configured after record is enabled)



- 【Device ID】 The unique ID of data logger, it can't be changed.
- 【Device Time】 Data logger time.
- 【System Time】 Computer current time.
- 【Time Zone】 Data logger time zone.
- 【Time Scale】 Celsius / Fahrenheit.

【LCD】 Always bright or closed after some time.

【Temperature Calibration】 Set the logger to collect temperature data and replace them.

【Humidity Calibration】 Set the logger to collect humidity data and replace them.
(Only TempU03 is supported)

【Log Interval】 The interval time between two successive points of data.

【Start Delay】 The wait time from the logger started to the first reading saved.
(When manual start is selected, start delay choice box is available.)

【Stop Mode】 The logger's actual stop mode, including temporary stop, stop via software.

【Time Format】 Time display format in recorder PDF and CSV reports.

【Graphic Display】 Separate or combine display temperature and humidity curve in graphic. (Only TempU03 is supported)

【Start Mode】 The mode the logger to be started, including button start, timing start. When timing start is selected, timing start selection box is available.

【Timed Start Time】 The logger starts running at the specified time. When timing start is selected, timing start selection box is available.

【Alarm】 Alarm set-point

TempU03、TempU04 Temperature Range-30° C ~ 60° C;

TempU06 L60 Temperature Range -60° C~ 160° C;

TempU06 Temperature Range -80° C~ 80° C;

TempU06 L100 Temperature Range -100° C~ 80° C;

TempU06 L200 Temperature Range -200° C~ 80° C;

TempU03 Humidity Range 0% ~ 100%;

TempU08 Temperature Range-30° C ~ 60° C

【Alarm Delay】 The time when temperature / humidity value exceeds the alarm set-point until the alarm event is triggered.

【Description】 A brief description of the task, 27 alphabetic and numeric characters.

【Save File】 After clicking, the software will generate a .config file for the configuration parameters of the interface. You can name it yourself and save it in the "Config" directory by default.

【Open File】 Select the configuration file. After clicking, the software will read the configuration parameters of this configuration file and display it on the configuration interface.

【Delete】 Select a profile and click "Delete". This profile will be deleted.

【Read】 Read logger configuration parameters.

【Save】 Save logger configuration parameters.

【Default】 The configuration interface displays the factory configuration parameters

of the recorder. You must click "Save" to modify the logger to factory settings.

Note: If parameter settings are made and click Save, the data stored in the recorder will be cleared.

VIII. Database

Temperature Management Software

Device Report Parameter Database Export Settings About Help Exit

Query Conditions

Device ID

Start Time: 2019-01-01 00:00

Stop Time: 2020-06-20 16:59

Recent

Custom Selection

1 Month

3 Months

6 Months

Alarm

Search

NO.	Device	Points	Max	Min	Start time	Stop time	Status
1	TZ1912230719-000001	14695	29.5°C 77.3%	25.8°C 55.9%	06/10/2020 17:26:20	06/12/2020 10:15:20	Normal
2	TZ2020040001-000001	10	26.4°C --%	26.3°C --%	06/12/2020 18:08:17	06/12/2020 18:09:47	Alarm
4	TZ2020040001-000002	2	25.5°C --%	25.5°C --%	06/16/2020 12:11:17	06/16/2020 12:11:27	Alarm
5	TZ2020040001-000003	1196	27.8°C --%	26.5°C --%	06/19/2020 12:19:17	06/19/2020 15:38:27	Alarm
6	TZ1712888888-000001	9	27.9°C --%	27.7°C --%	06/19/2020 15:53:23	06/19/2020 15:54:43	Alarm
7	TZ1712888888-000002	2	28.2°C --%	28°C --%	06/19/2020 15:55:25	06/19/2020 15:55:35	Alarm
8	TZ1912230719-000002	4	27.2°C 54.1%	26.8°C 52.6%	06/19/2020 15:53:19	06/19/2020 16:23:19	Alarm

Current 1 Page Total Page 1 Page

Backup & Restore Comparison View details Delete

TempU03 Connected

1. Filter data

Historical data displays all data by default, and users also can filter data in four ways:

- (1) Fill in the specified equipment number, and only display all the data encoded by this equipment;
- (2) Custom selection, you can set the start time and end time, the software will automatically filter out the historical data in this time period;
- (3) The data of the last month, three months and six months can be selected;
- (4) Check "Alarm" to display only alarm data;

Temperature Management Software

Device Report Config Database Export Settings About Help Exit

Query Conditions

Device ID: TZ20180110112

Start Time: 2019-09-12 10:35

Stop Time: 2019-12-13 10:35

Recent

- Custom Selection
- 1 Month
- 3 Months
- 6 Months

Alarm **1**

Search

Backup & Restore

NO.	Device	Points	Max	Min	Start time	Stop time	Status
5	TZ2018010112-000004	31	31.3°C 56.4%	27.6°C 51.1%	09/30/2019 11:34:27	09/30/2019 14:04:27	Alarm
6	TZ2018010112-000005	18	29.5°C 54.6%	28°C 51.4%	09/30/2019 14:08:46	09/30/2019 14:42:46	Alarm
7	TZ1712888888-000001	12	33°C --%	31.6°C --%	11/15/2019 15:33:06	11/15/2019 15:38:36	Alarm
8	TZ1712888888-000002	3	81°F --%	80.8°F --%	12/11/2019 16:13:36	12/11/2019 16:13:56	Normal

Current 1 Page Total Page 1 Page

Comparison View details Delete

Sync Completed

2. Comparison

Temperature Management Software

Device Report Parameter Database Export Settings About Help Exit

Query Conditions

Device ID:

Start Time: 2019-01-01 00:00

Stop Time: 2020-06-20 16:59

Recent

- Custom Selection
- 1 Month
- 3 Months
- 6 Months

Alarm

Search

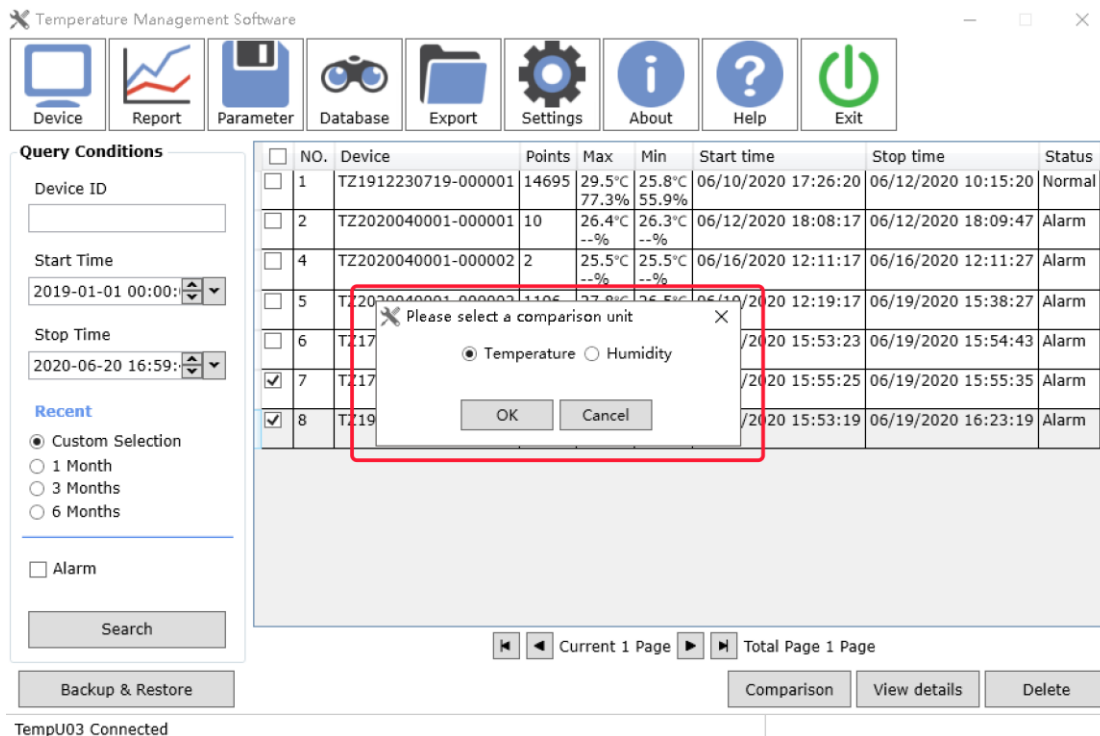
Backup & Restore

NO.	Device	Points	Max	Min	Start time	Stop time	Status
1	TZ1912230719-000001	14695	29.5°C 77.3%	25.8°C 55.9%	06/10/2020 17:26:20	06/12/2020 10:15:20	Normal
2	TZ2020040001-000001	10	26.4°C --%	26.3°C --%	06/12/2020 18:08:17	06/12/2020 18:09:47	Alarm
4	TZ2020040001-000002	2	25.5°C --%	25.5°C --%	06/16/2020 12:11:17	06/16/2020 12:11:27	Alarm
5	TZ2020040001-000003	1196	27.8°C --%	26.5°C --%	06/19/2020 12:19:17	06/19/2020 15:38:27	Alarm
6	TZ1712888888-000001	9	27.9°C --%	27.7°C --%	06/19/2020 15:53:23	06/19/2020 15:54:43	Alarm
7	TZ1712888888-000002	2	28.2°C --%	28°C --%	06/19/2020 15:55:25	06/19/2020 15:55:35	Alarm
8	TZ1912230719-000002	4	27.2°C 54.1%	26.8°C 52.6%	06/19/2020 15:53:19	06/19/2020 16:23:19	Alarm

Current 1 Page Total Page 1 Page

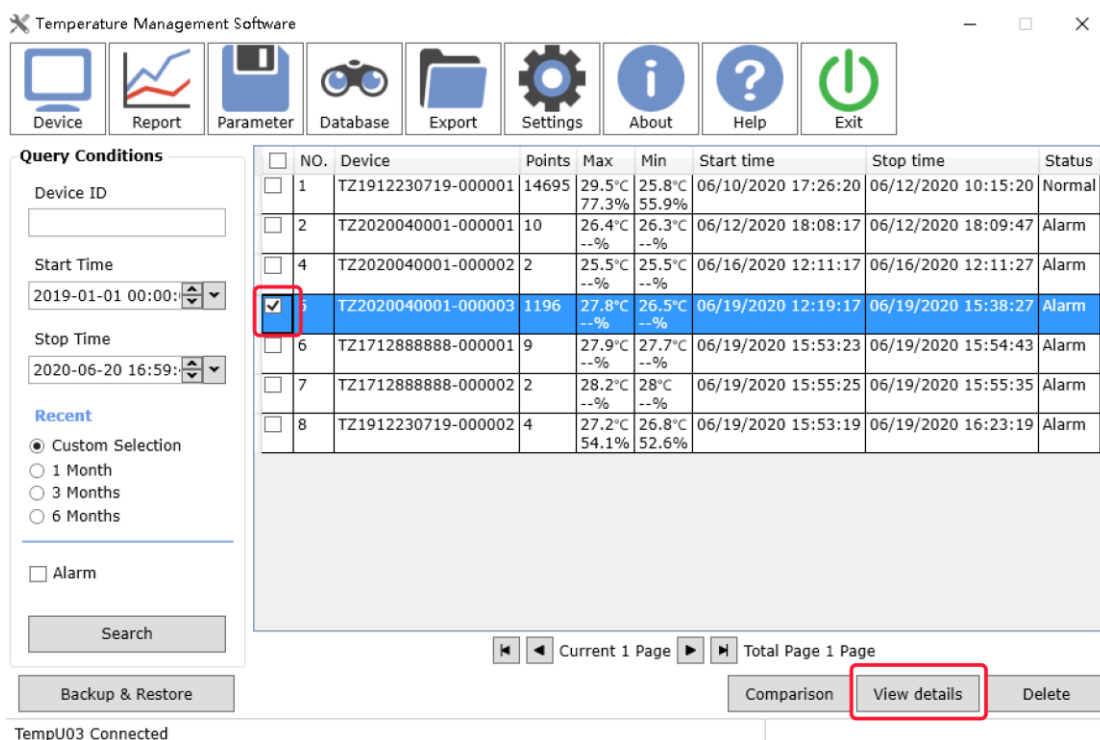
Comparison View details Delete

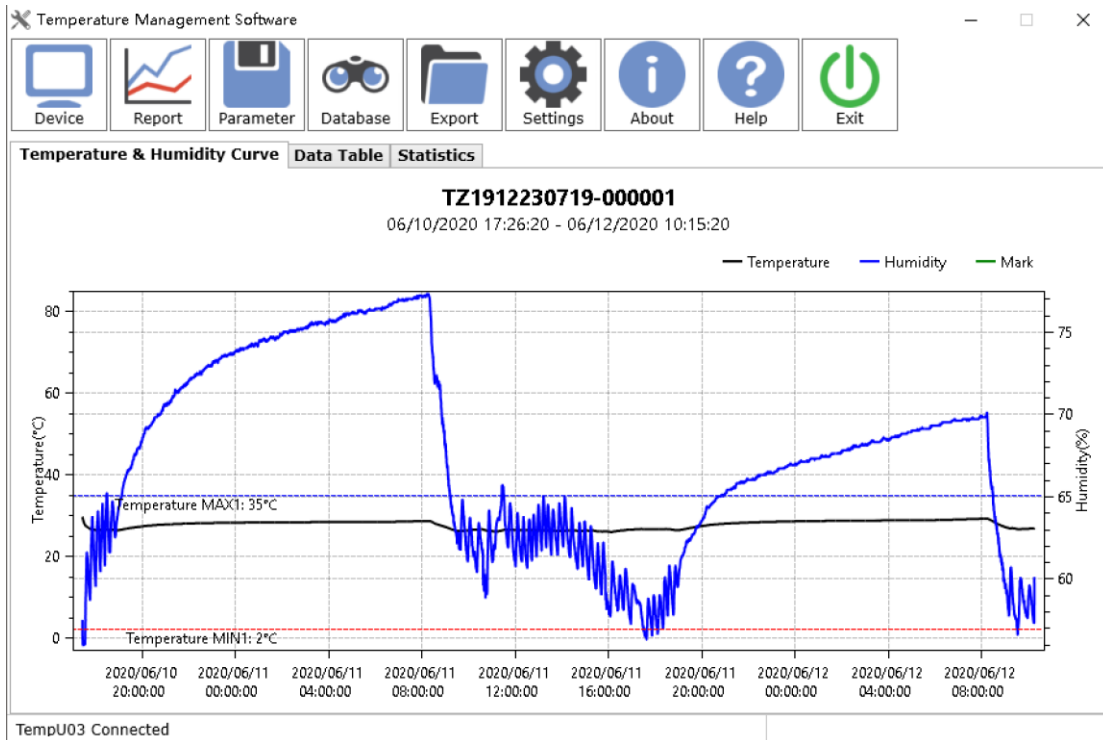
TempU03 Connected



The user first clicks the data table to select multiple items of data to be viewed, and then clicks “multi-select comparison” to select temperature or humidity for comparison. A maximum of five items can be selected for comparison at a time.

3. View Detail





The user first clicks the data table to select one item of data to be viewed, and then clicks "View detail".

4. Delete Data

Query Conditions

Device ID:

Start Time: 2019-01-01 00:00:00

Stop Time: 2020-06-20 16:59:00

Recent: Custom Selection, 1 Month, 3 Months, 6 Months

Alarm

Search:

Backup & Restore:

<input type="checkbox"/>	NO.	Device	Points	Max	Min	Start time	Stop time	Status
<input type="checkbox"/>	1	TZ1912230719-000001	14695	29.5°C 77.3%	25.8°C 55.9%	06/10/2020 17:26:20	06/12/2020 10:15:20	Normal
<input type="checkbox"/>	2	TZ2020040001-000001	10	26.4°C --%	26.3°C --%	06/12/2020 18:08:17	06/12/2020 18:09:47	Alarm
<input type="checkbox"/>	4	TZ2020040001-000002	2	25.5°C --%	25.5°C --%	06/16/2020 12:11:17	06/16/2020 12:11:27	Alarm
<input type="checkbox"/>	5	TZ2020040001-000003	1196	27.8°C --%	26.5°C --%	06/19/2020 12:19:17	06/19/2020 15:38:27	Alarm
<input type="checkbox"/>	6	TZ1712888888-000001	9	27.9°C --%	27.7°C --%	06/19/2020 15:53:23	06/19/2020 15:54:43	Alarm
<input checked="" type="checkbox"/>	7	TZ1712888888-000002	2	28.2°C --%	28°C --%	06/19/2020 15:55:25	06/19/2020 15:55:35	Alarm
<input type="checkbox"/>	8	TZ1912230719-000002	4	27.2°C 54.1%	26.8°C 52.6%	06/19/2020 15:53:19	06/19/2020 16:23:19	Alarm

Current 1 Page Total Page 1 Page

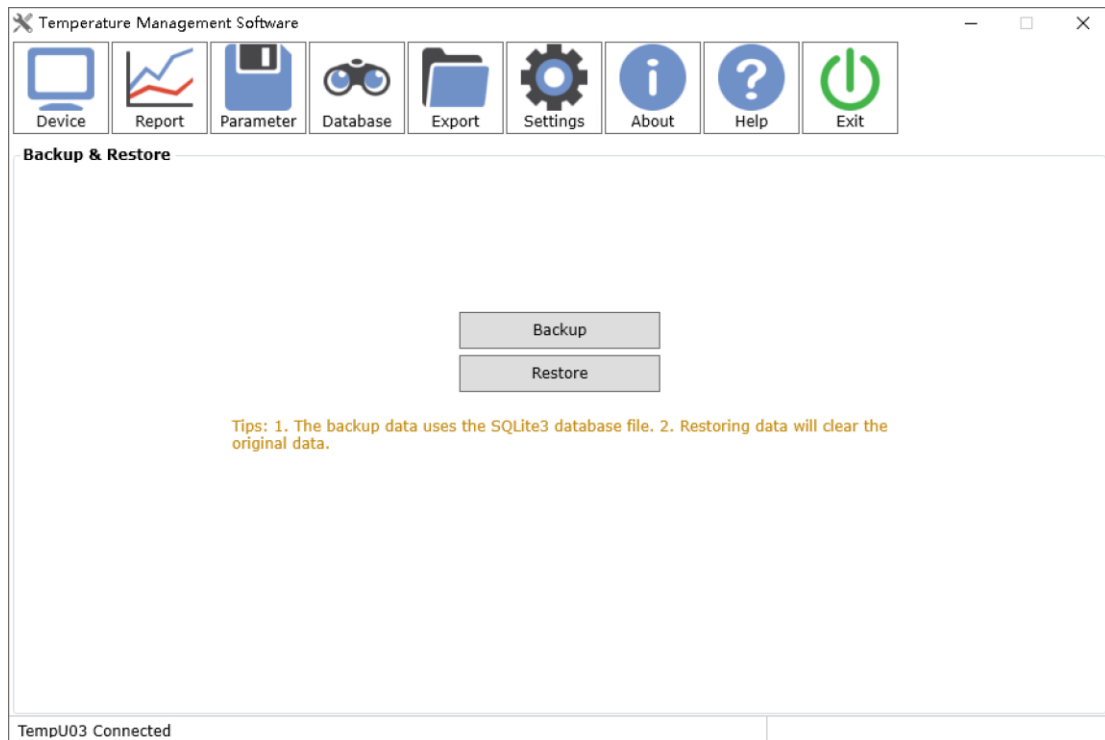
Comparison View details **Delete**

TempU03 Connected

The user first clicks the data table to select a piece of data to delete, and then clicks

the "Delete" button. The software will prompt the user "Delete data?" After the user confirms, the data will be deleted and cannot be restored.

5. Backup & Restore



1.Backup

Backup all data. Help you protect your data from accidental loss. You can use "Backup" to create a copy of the data on your hard drive, and then store the data on another device for use.

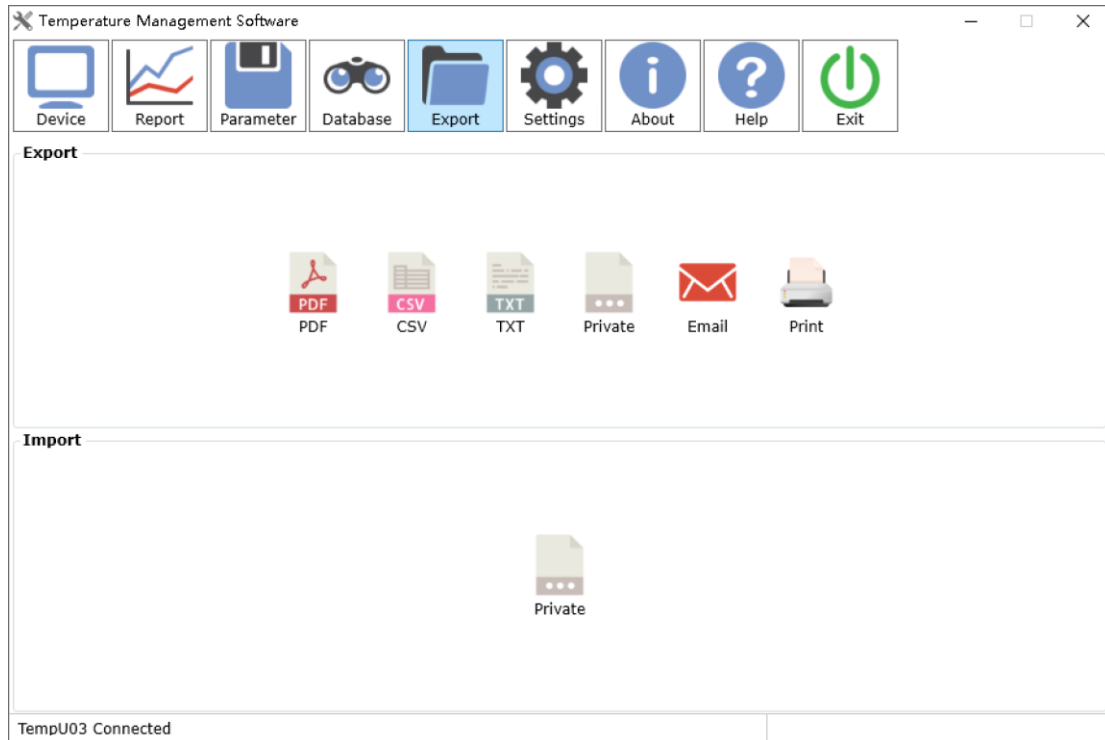
2.Restore

Used to restore backup data.

Note: The restore will overwrite the existing data of the software.

IX. Export

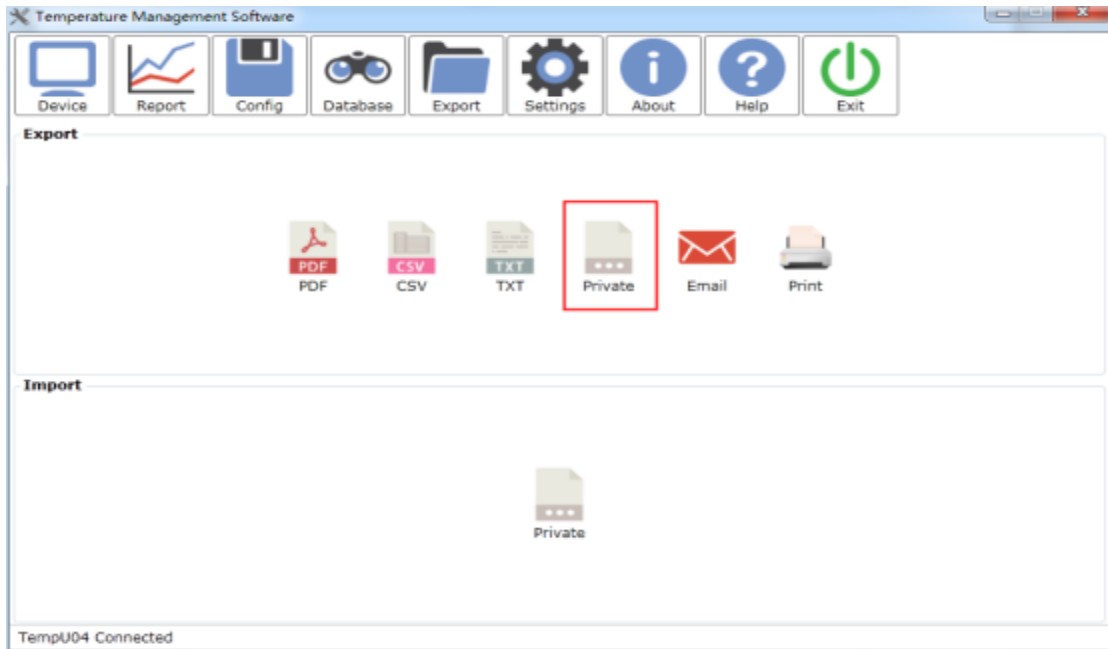
1. Export PDF, CSV, TXT data



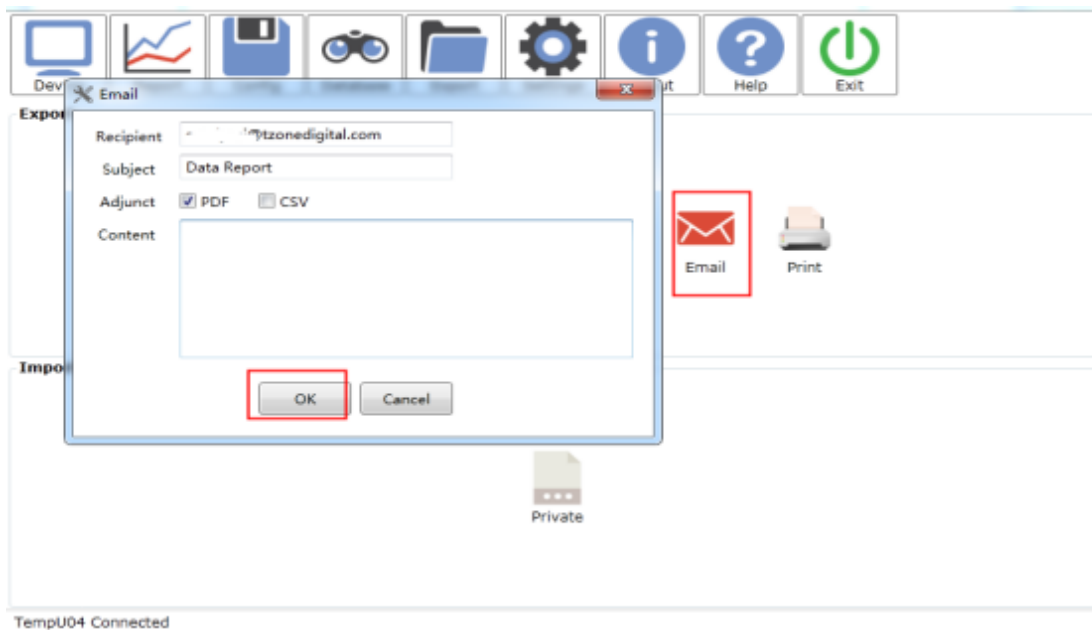
Click the file format and the software will generate a report file in the corresponding format. Saved in the soft root directory by default.

2. Export Private file

Used to share data among multiple computers with “Temperature Management Software”. Click on the private format and the software will generate a “.dat” file. Saved in the soft root directory by default.



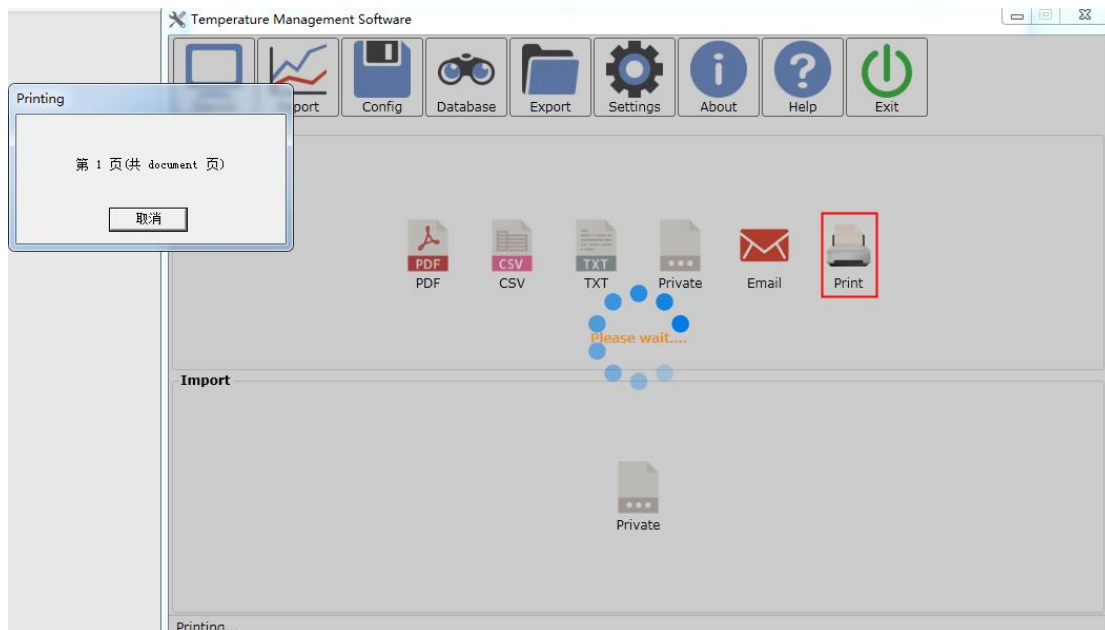
3. Send E-Mail



The content of the email includes the email header, PDF, CSV, etc. If you do not want to send PDF or CSV, you can leave this unselected.

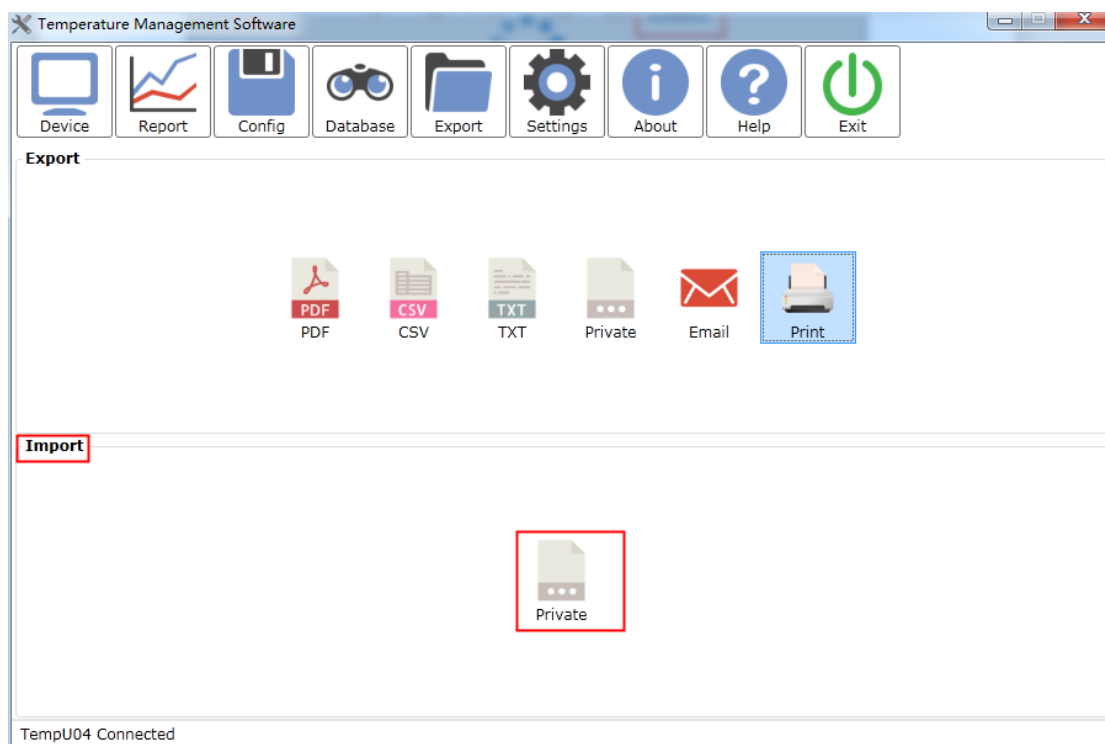
Note: Before sending the email, you need to configure the email information in the Software Settings.

4. Print



Note: You need to configure the printer on your computer before printing.

5. Import Data



In the import function box, click the "Private " ticket to pop up the select file dialog

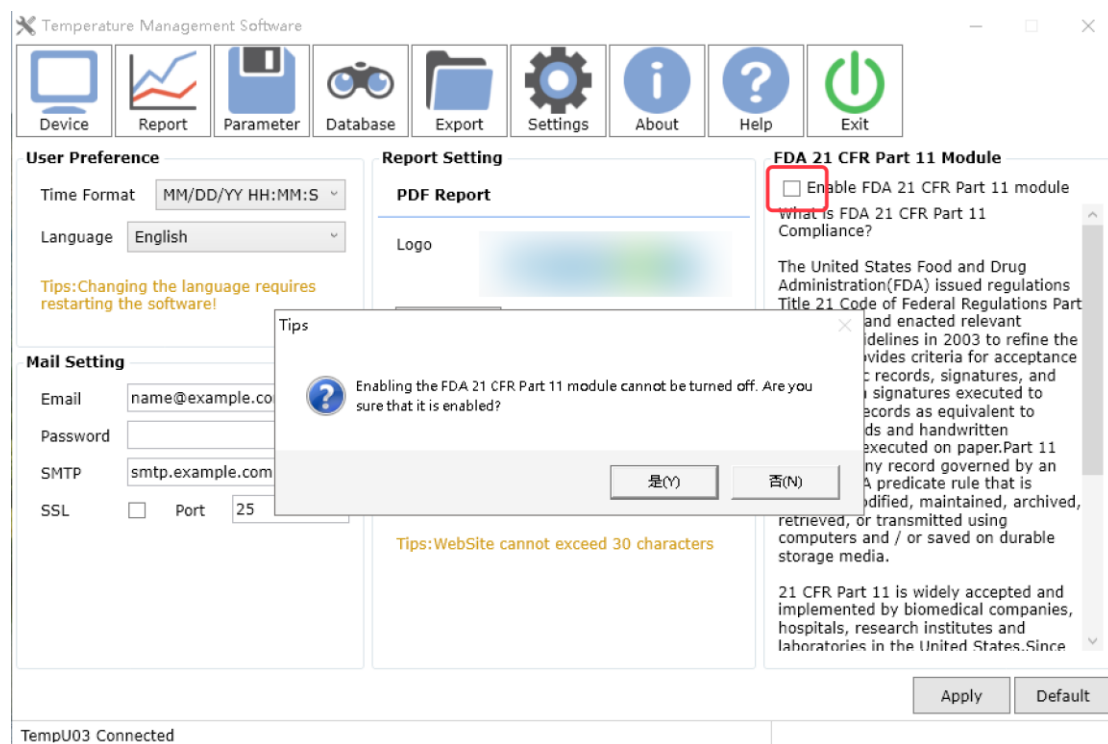
box.

Import data: Used to share data between multiple computers with “Temperature Management Software” installed. Users can import previously exported data files in “.dat” format into the software, and the software will automatically analyze the imported data.

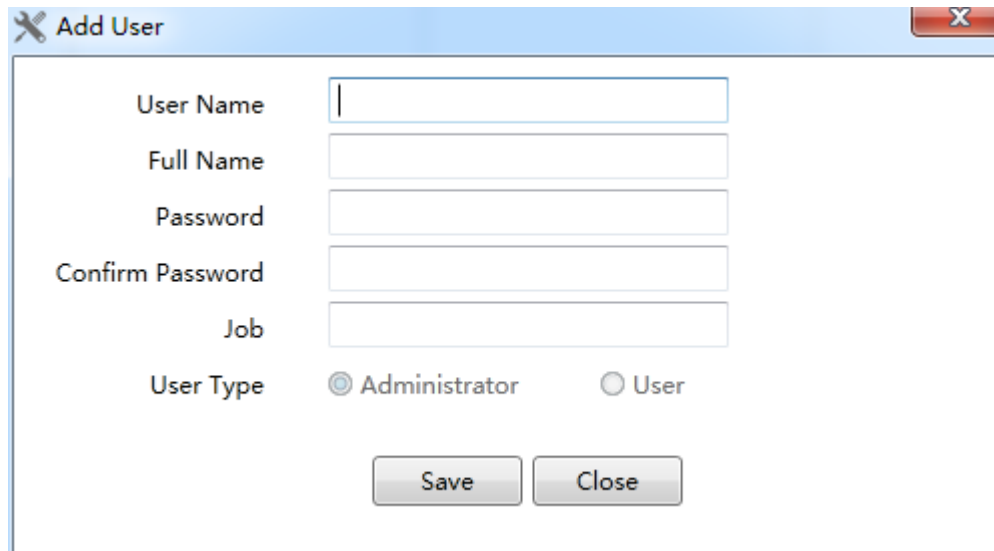
X. FDA 21 CFR Part 11 Module

1. Enable FDA 21 CFR Part 11 Module

Enter the "Settings" to enable the FDA 21 CFR Part 11 module, after the enable is not allowed to close



2. Create an initial administrator account

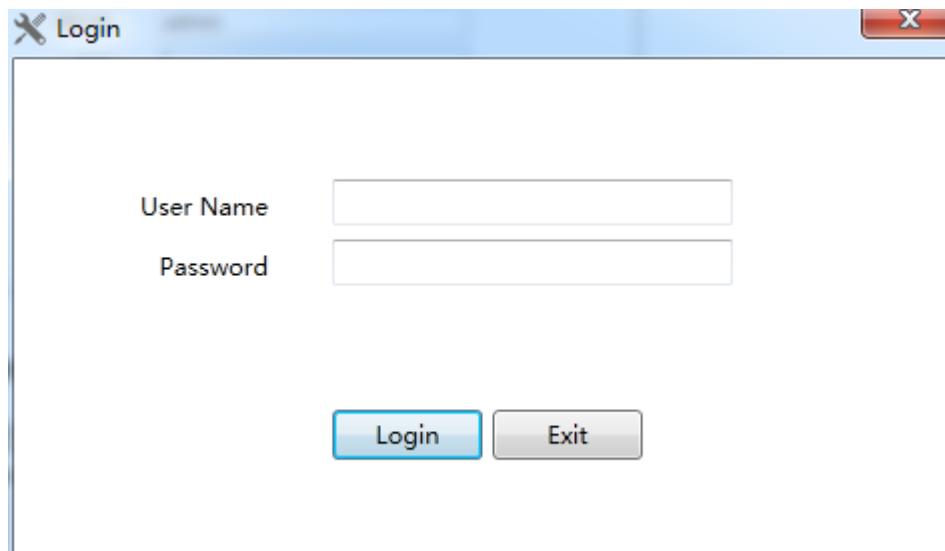


The 'Add User' dialog box contains the following fields and controls:

- User Name:
- Full Name:
- Password:
- Confirm Password:
- Job:
- User Type: Administrator User
- Buttons: Save, Close

Note: The initial administrator account and password must be kept in mind, once forgotten, it cannot be recovered

3. Login



The 'Login' dialog box contains the following fields and controls:

- User Name:
- Password:
- Buttons: Login, Exit

4. Logout

Note: log out of the current account

The screenshot shows the Temperature Management Software interface. The top navigation bar includes icons for Device, Report, Parameter, Database, Audit, Export, Settings, User, About, Help, and Exit. The main content area is divided into two columns: Device Information and Data Summary. The Device Information column shows a device image and details for 'TZ-TempU03', including Device ID (TZ1912230719), Firmware (3.21), and Status (Connected). The Data Summary column is further divided into Record Summary and Report Information. The Record Summary table shows: First Point (06/19/2020 15:53:19), Stop Time (06/19/2020 16:23:19), Number of Points (4), and Trip Length (0h 30m 0s). The Report Information table shows: Start Delay (0h 30m 0s), Log Interval (0h 10m 0s), Start Mode (Button Start), and Stop Mode (USB Stop). The Description is 'Humiture Recorder'. At the bottom right, the user 'admin' is logged in, and the 'Logout' button is highlighted with a red box.

Record Summary		Report Information	
First Point	06/19/2020 15:53:19	Start Delay	0h 30m 0s
Stop Time	06/19/2020 16:23:19	Log Interval	0h 10m 0s
Number of Points	4	Start Mode	Button Start
Trip Length	0h 30m 0s	Stop Mode	USB Stop

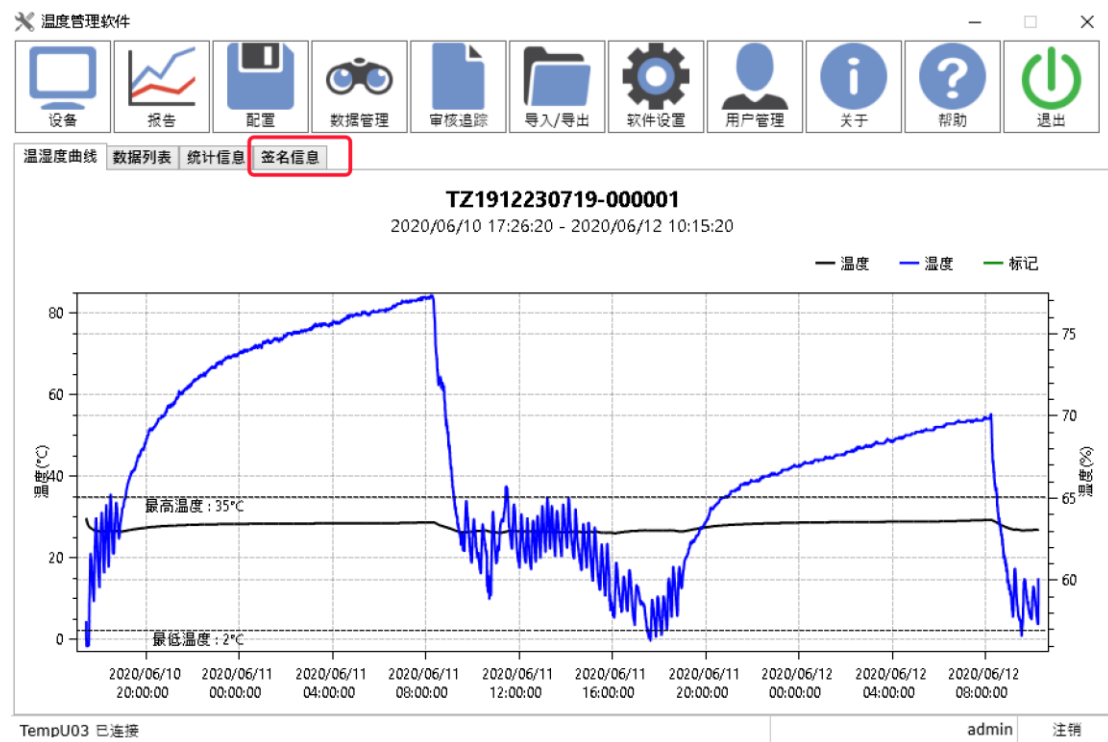
Temperature & Humidity		Description	
Max	27.2°C 54.1%	Humiture Recorder	
Min	26.8°C 52.6%		
Average	26.9°C 53.3%		
MKT	26.9°C		

5. Change password

The screenshot shows the Temperature Management Software interface with a 'User' dialog box open. The dialog box has two tabs: 'User Info' and 'Change Password'. The 'Change Password' tab is active, showing three input fields: 'Old Password', 'Password', and 'Confirm Password'. Below the input fields are 'Save' and 'Cancel' buttons. The background interface shows the 'Device Information' column with a 'Searching for devices...' status and the 'Data Summary' column with 'Average' and 'MKT' values. The bottom right corner shows the user 'admin' and a 'Logout' button.

6. Report digital signature

Digitally sign the current report



Password must be verified before signing

Temperature Management Software

Device Report Parameter Database Audit Export Settings User About Help Exit

Temperature & Humidity Curve Data Table Statistics **Signature information**

NO.	User Name	Full Name	Signature	Signature Time
1	admin	WuXinjian	Check	06/12/2020 11:11:51

Verify Password

User Name: admin

Password:

OK

Digital Signature

Searching for devices... admin Logout

Temperature Management Software

Device
 Report
 Parameter
 Database
 Audit
 Export
 Settings
 User
 About
 Help
 Exit

Temperature & Humidity Curve | Data Table | Statistics | **Signature information**

NO.	User Name	Full Name	Signature	Signature Time
1	admin			

Digital Signature

Signing User admin

Please Select An Signature

Approve

Check

Invalid

Digital Signature

Searching for devices... admin Logout

Temperature Management Software

Device
 Report
 Parameter
 Database
 Audit
 Export
 Settings
 User
 About
 Help
 Exit

Temperature & Humidity Curve | Data Table | Statistics | **Signature information**

NO.	User Name	Full Name	Signature	Signature Time
1	admin	WuXinjian	Check	06/12/2020 11:11:51
2	admin	WuXinjian	Check	06/22/2020 08:48:10

Digital Signature

Searching for devices... admin Logout

7. Audit

Temperature Management Software

Device
 Report
 Parameter
 Database
 Audit
 Export
 Settings
 User
 About
 Help
 Exit

Query Conditions

Search content

Start Time

2019-01-01 00:00:

Stop Time

2020-06-23 08:49:

System Audit Trail

Analyze Audit Trail

Operate

All Operations

User Name

All Users

Type	Action	User	Details	Time
System	Data Export	admin	Export CSV report	06/22/2020 08:50:09
System	Data Export	admin	Export TXT report	06/22/2020 08:50:08
System	Data Export	admin	Export CSV report	06/22/2020 08:50:07
System	Data Export	admin	Export TXT report	06/22/2020 08:50:06
System	Data Export	admin	Export CSV report	06/22/2020 08:50:05
System	Data Export	admin	Export TXT report	06/22/2020 08:50:04
System	Data Export	admin	Export CSV report	06/22/2020 08:50:03
System	Data Export	admin	Export CSV report	06/22/2020 08:49:53
System	Data Export	admin	Export TXT report	06/22/2020 08:49:52
System	Data Export	admin	Export CSV report	06/22/2020 08:49:51
System	Login	admin	User admin successfully logged in	06/22/2020 08:49:39
System	Logout	admin	Signout	06/22/2020 08:49:33
System	Data Export	admin	Export TXT report	06/22/2020 08:49:22
System	Data Export	admin	Export CSV report	06/22/2020 08:49:19
System	Data Export	admin	Export CSV report	06/22/2020 08:49:10
System	Data Export	admin	Export TXT report	06/22/2020 08:49:06
System	Data Export	admin	Export TXT report	06/22/2020 08:49:03
System	Data Export	admin	Export CSV report	06/22/2020 08:49:00
System	Data Signature	admin	Data signed successfully	06/22/2020 08:48:10
System	Login	admin	User admin successfully logged in	06/22/2020 08:46:30
System	Logout	admin	Exit System	06/19/2020 18:33:17
System	Device Data	admin	Read device data	06/19/2020 17:31:31
System	Device Data	admin	Read device TZ1912230719 data	06/19/2020 17:11:30

Current 1 Page

 Total Page 8 Page

Searching for devices... admin Logout

8. User

User management function requires administrator role

8.1 User

The screenshot shows the 'Temperature Management Software' interface. The main window is titled 'FDA 21 CFR Part 11 Module' and has tabs for 'User', 'Authority Management', 'Signature Management', 'Security Strategy', and 'Safe Mailbox'. The 'User' tab is active, displaying a table of users:

User Name	Full Name	Job	User Type	Status
admin	WuXinjian		Administrator	Normal
lisa	Lisa		User	Normal

Below the table are buttons for 'Add User', 'Modify User', 'Lock User', and 'Unlock User'. The sidebar on the left contains search and filter options, including 'Search', 'Start Time' (2019-01), 'Stop Time' (2020-06), and checkboxes for 'System' and 'Analysis'. The bottom of the window shows 'Searching for devices...' and 'admin Logout'.

The screenshot shows the 'Temperature Management Software' interface with the 'Modify User' dialog box open. The dialog box contains the following fields and options:

- User Name: lisa
- Full Name: Lisa
- Password: [Empty field]
- Confirm Password: [Empty field]
- Job: [Empty field]
- User Type: Administrator User

There is a checkbox for 'Change Password' which is currently unchecked. The dialog box has 'Save' and 'Close' buttons. The background shows the same user management interface as the previous screenshot.

- 【Add User】 Add User
- 【Modify User】 Modify selected user information
- 【Lock User】 Lock the selected user, the user is not allowed to log in after locking
- 【Unlock User】 Unlock selected users

8.2 Authority Management

Set User lisa to modify setting permission, as shown in the following steps

The screenshot shows the 'Temperature Management Software' interface. The 'Authority Management' tab is active, displaying a table of users. The user 'lisa' is selected, and the 'View Settings' permission is being assigned to the 'Modify Settings' category.

User Name	Full Name	Job	User Type	Status
admin	WuXinjian		Administrator	Normal
lisa	Lisa		User	Normal

System Authority	Gain Permission
View Settings 2	Modify Settings
Signature Data	
Delete Data	
View Audit trail	

The 'View Settings' permission is highlighted with a red box and labeled '2'. The right-pointing arrow button between the two columns is highlighted with a red box and labeled '3'.

8.3 Signature Management

Set user lisa to use "Approve" endorsement, as shown in the following steps

The screenshot shows the 'Signature Management' window in the 'FDA 21 CFR Part 11 Module'. The 'User' tab is selected, displaying a table of users. The user 'lisa' is highlighted with a red box and labeled '1'. Below the table, the 'Available Signature' section shows three options: 'Approve' (checked), 'Check', and 'Invalid'. The 'Approve' option is highlighted with a red box and labeled '2'. The interface includes search filters, a table of users, and buttons for 'Add Signature', 'Edit Signature', and 'Delete Signature'.

User Name	Full Name	Job	User Type	Status
admin	WuXinjian		Administrator	Normal
lisa	Lisa		User	Normal

NO.	Signature
<input checked="" type="checkbox"/> 1	Approve
<input type="checkbox"/> 2	Check
<input type="checkbox"/> 3	Invalid

Add Signature

Temperature Management Software

FDA 21 CFR Part 11 Module

User Authority Management Signature Management Security Strategy Safe Mailbox

Query Co

User Name	Full Name	Job	User Type	Status
admin	WuXinjian		Administrator	Normal
lisa	Lisa		User	Normal

Search c

Start Tim

2019-01

Stop Tim

2020-06

System

Analy

Operate

All Oper

User Nar

All Users

Add Signature

Signature Name

Save Close

Available Signature

NO.	Signature
<input checked="" type="checkbox"/> 1	Approve
<input type="checkbox"/> 2	Check
<input type="checkbox"/> 3	Invalid

Add Signature Edit Signature Delete Signature

Current 1 Page Total Page 8 Page

Searching for devices... admin Logout

Edit Signature

Temperature Management Software

FDA 21 CFR Part 11 Module

User Authority Management Signature Management Security Strategy Safe Mailbox

Query Co

User Name	Full Name	Job	User Type	Status
admin	WuXinjian		Administrator	Normal
lisa	Lisa		User	Normal

Search c

Start Tim

2019-01

Stop Tim

2020-06

System

Analy

Operate

All Oper

User Nar

All Users


Available Signature

NO.	Signature
<input checked="" type="checkbox"/> 1	Approve
<input type="checkbox"/> 2	Check
<input type="checkbox"/> 3	Invalid
<input checked="" type="checkbox"/> 4	Pass

Add Signature Edit Signature Delete Signature

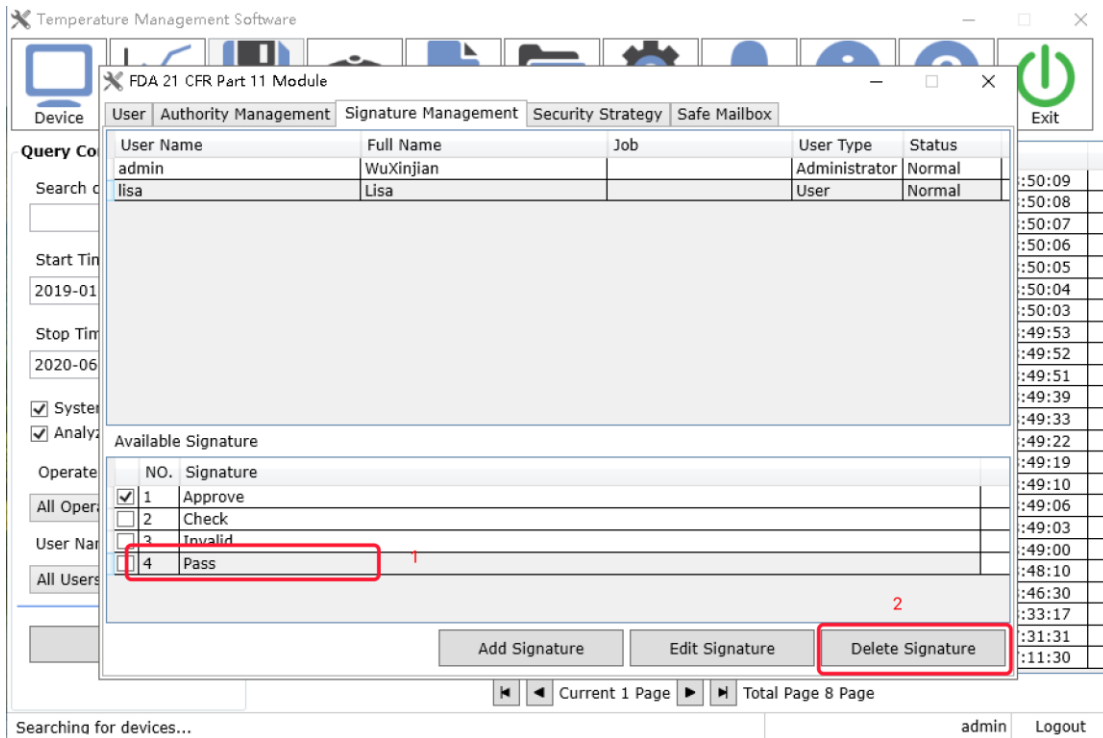
Current 1 Page Total Page 8 Page

Searching for devices... admin Logout

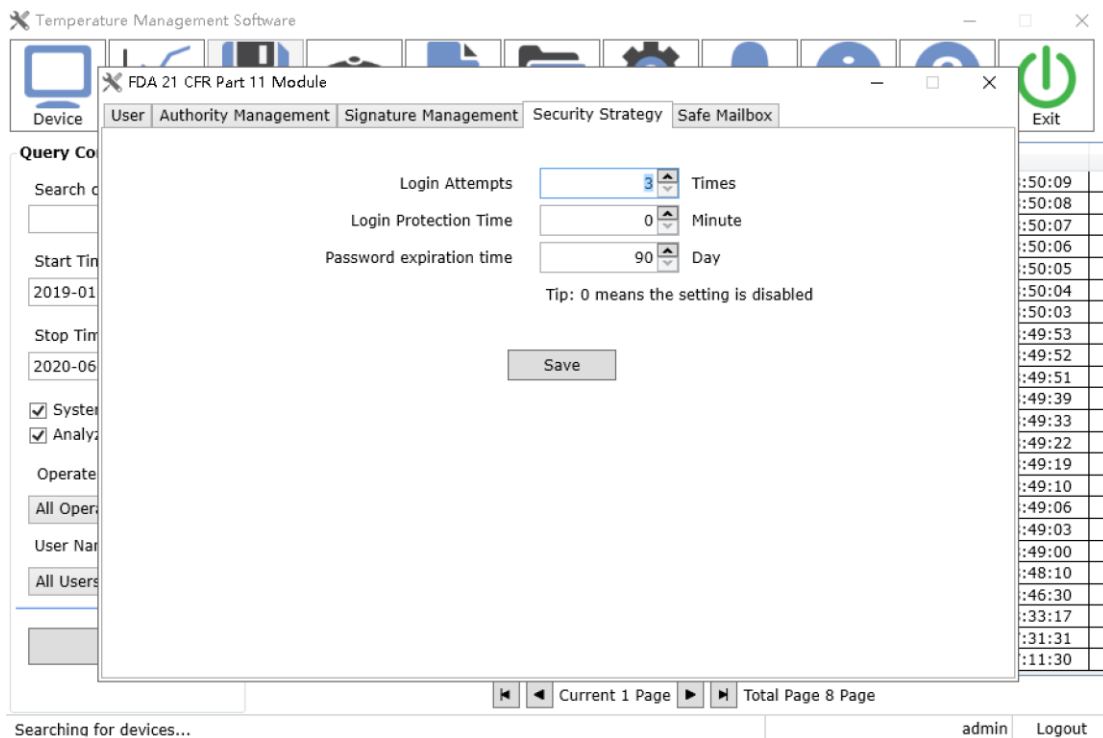
 Modify Signature ✕

Signature Name

Delete Signature



8.4 Security Strategy



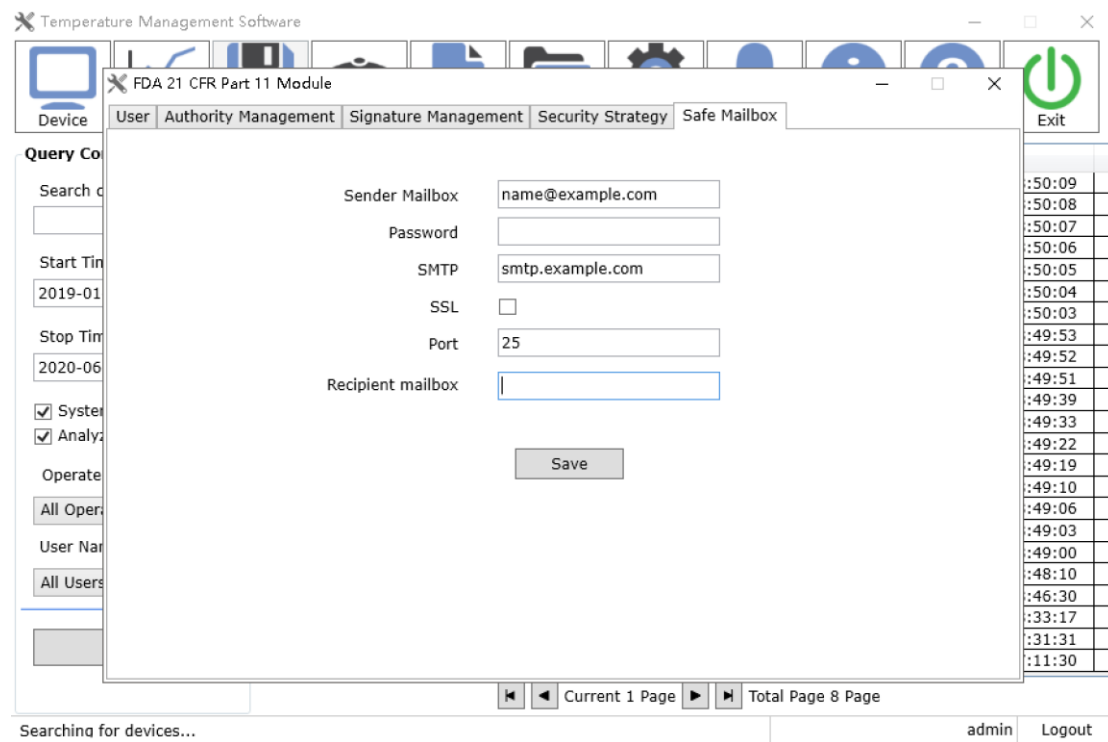
【 Login Attempts 】 Set user connection to lock account after entering wrong password

【 Login Protection Time 】 At the set time, when the user does not operate the computer, log out.

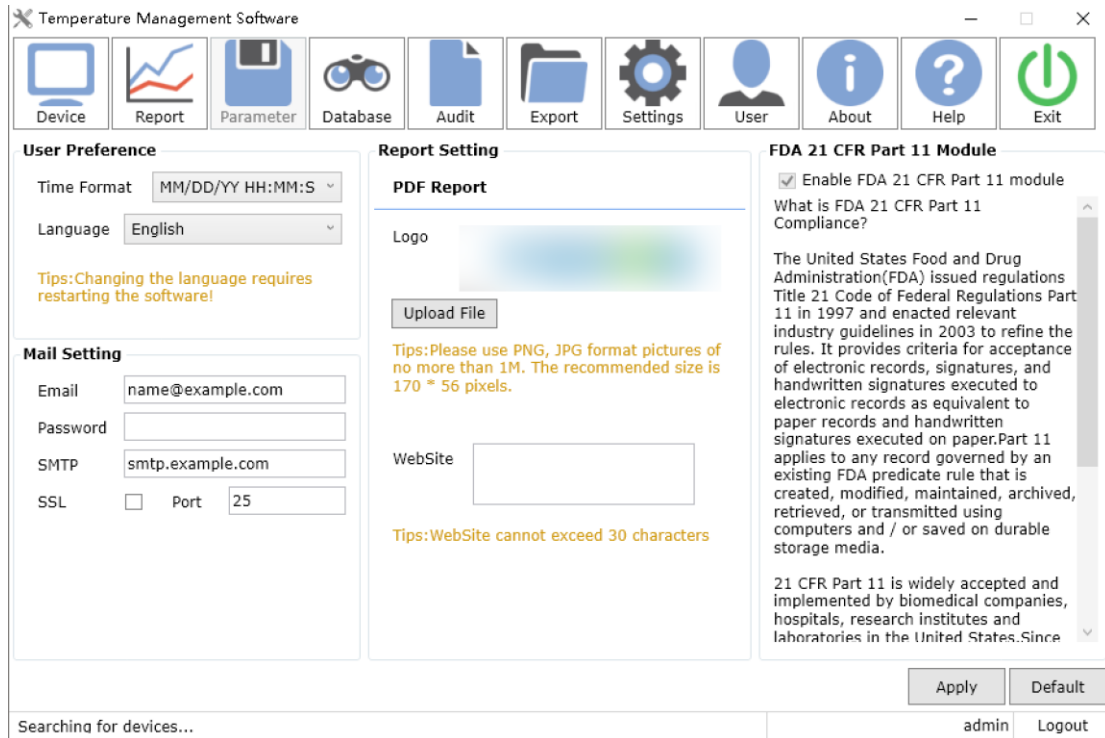
【Password Expiration Time】 Set the user has not changed the password for a long time, prompt the user to change the password.

8.5 Saft Mailbox

After the user enters the wrong password, the account is locked, and an email notification is sent to the specified mailbox.



XI. Seetings



1. User Preference

Support time format and software language.

Note: Changing the language requires restrting the software.

2. Mail Seeting

Before using the send mail function, you need to configure the parameters of the mailbox, including the SMTP service address and port of the mailbox (default port 25), sender account, and password.

3. Report Seeting

Support modification the LOGO and website in PDF report.

Note: Please use PNG, JPG Format Pictures or no more than 1M, The Recommended size is 170*56 pixels.

4. FDA 21 CFR Part 11 Module

Enable FDA 21 CFR Part 11 module and it is not allowed closed.

XII. About the updated of the software



Display software information and version.

Software update: The current new version. Opening the software will prompt you to update.

XIII. Questions

The data logger cannot be connected ?

1. Check if the computer USB port is available.
2. Check if the computer USB port is loose.
3. If you are using a USB extension cable to connect the logger, make sure that USB can be read. If the cable is too long, the logger may not be connected successfully.
4. Reading data prompts an error. Check if the computer's disk space where the software is installed runs out.
5. Unplug the USB device, the software does not detect the disconnection. First click on the software "Force Disconnect" to see if it can be restored; if not, restart the software and check if it can be restored.