

Data Management Software

**User Manual**

## Table of Contents

I	Introduction .....	2
1.1	Overview .....	2
1.2	Installation environment requirements .....	2
II	Install & Start .....	2
2.1	Install .....	2
2.2	Start .....	3
2.3	Uninstall .....	3
III	Functions .....	1
3.1	Toolbar .....	1
IV	Download Data .....	2
4.1	Connect data logger .....	2
4.2	Read data .....	2
4.3	Store data .....	2
V	Summary .....	3
5.1	Device information .....	3
5.2	Statistical information .....	3
5.3	Alarm information .....	4
VI	Parameter Settings .....	5
6.1	Device parameters .....	5
6.2	Alarm parameters .....	5
6.3	Parameter template .....	6
VII	Summary .....	7
7.1	Graph .....	7
7.2	Table .....	8
7.4	Data filtering .....	9
7.5	Export data .....	9
VIII	Database .....	11
8.1	Historical data table .....	11
8.2	Filter data .....	11
8.3	Select data line .....	12
8.4	View details .....	12
8.5	Display alarm data .....	13
8.6	Delete data .....	14
IX	System Settings .....	15
9.1	Options .....	15
X	FDA 21 CFR Part 11 Module .....	16

10.1	What is FDA 21 CFR Part 11 compliance? .....	16
10.2	Access to the Module .....	16
10.3	Activate the Module .....	16
10.4	Initializing Administrator .....	17
10.5	User Management .....	18
10.6	Rights Management .....	19
10.7	Meaning Management .....	20
10.8	Security Policy .....	22
10.9	User Login .....	23
10.10	Electronic Signature .....	24
10.11	Audit Trail .....	26
XI	Q & A .....	27

# I Introduction

## 1.1 Overview

Data Management Software is comprehensive desktop software designed for analyzing and managing the temperature and humidity data recorded by Elitech data loggers.

The software integrates the most dependable temperature and humidity sensing technology and the most advanced system kernel to date. It is characterized of reliable data, quick response, simple operation and other strong functions, enabling users to track and collect temperature and humidity data of sensitive products timely and accurately in their testing, production, transport and storage, so that the whole cold chain can be monitored and traced with product safety guaranteed.

## 1.2 Installation environment requirements

MAC OS X11.10 or above 1GB free disk space

Computer administrator account

# II Install & Start

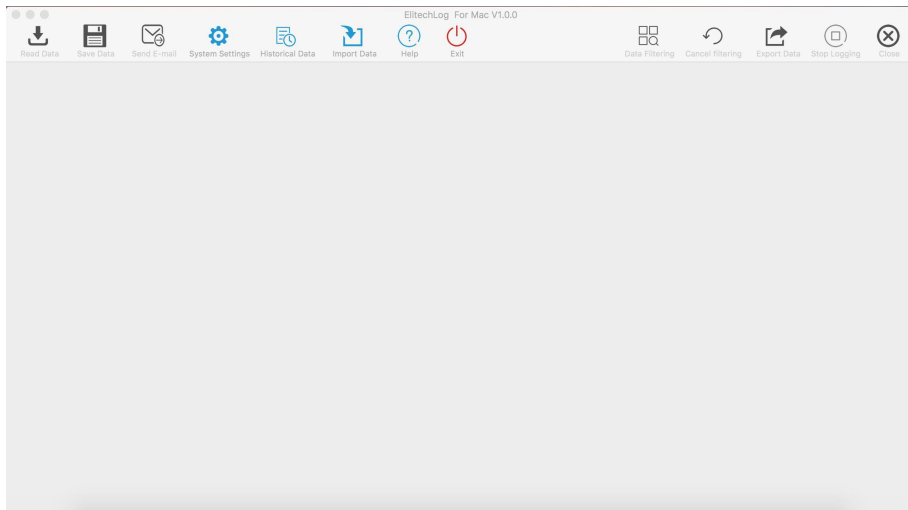
## 2.1 Install

Double-click the Setup to install the software. USB data loggers can be directly used. COM data loggers can connect to this software after the driver is installed. Please find the COM driver in the download package and install it.

## 2.2 Start



Double click on your computer desktop to start the software.

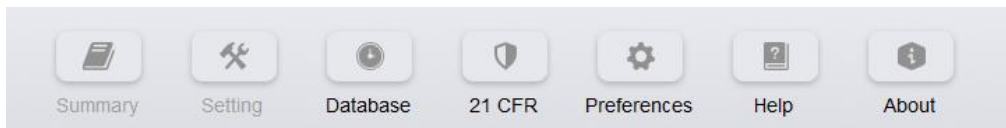


## 2.3 Uninstall

Open the Finder in your MAC and access applications. Select ElitechLog and move it to Trash

# III Functions

## 3.1 Toolbar



**Summary:** After successfully downloading the data, the software will show the logger' s basic information, statistics and alarm status.

**Setting:** Users can set the parameters of a connected data logger, including log interval, start delay, trip code, trip description and alarm settings.

**Database:** The data downloaded from the logger is automatically saved to the database, so users can view the data anytime. Data can also be filtered as needed. Default display is latest one month's data. Users can also view data of a selected time range, filter alarm data, drag and select multiple lines of data. The data of multiple devices can be viewed and compared at the same time. It supports multi-graph drawing, parameter comparison and other functions.

**21 CFR:** FDA 21 CFR Part 11 Function.

**Preferences:** Include three tabs: Option (to change date/time format and language), Email settings (to set email parameters) and FDA 21 CFR Part 11 Module (to enable and configure the module).

**Help:** User Manual.

**About:** About us.

## IV Download Data

### 4.1 Connect data logger

Connect the data logger to a computer for downloading data. Only one logger can be connected to the software at a time. It does not support simultaneous operation of multiple loggers.

### 4.2 Read data

Click Download on the toolbar to read and download the data in the logger. If the data logger is connected for the first time, the software will automatically read and download the data.

### 4.3 Store data

After downloaded, the data will be saved to the database automatically. The data can be viewed in "Database" interface.

# V Summary

## 5.1 Device information

S/N: The unique ID of the data logger. It cannot be changed.

Log interval: The interval time between two successive points of data.

Device status: The current working status of the logger.

Trip code: User-created code, used to identify each task.

Trip description: A brief description of the task.

Start delay: The time from the logger started to the first point saved.

Start mode: The mode the logger to be started, including manual start, timing start, immediate start.

Software version number: The logger's internal program version number.

Repeated start: The logger is started repeatedly, and the previously recorded data is cleared after a new startup.

Allow pause: During recording, temperature/humidity collection and storage is suspended.

Temporary report: Whether the PDF report is allowed to be generated after the logger is inserted into the computer during recording.

## 5.2 Statistical information

Memory capacity: Maximum amount of data points the logger can save.

Data points: The amount of readings the software downloads from the logger.

Start time: The time when the logger starts running.

First record time: The time when the first point is recorded.

Last record time: The time when the last point is recorded.

MKT: Average kinetic temperature value.

Elapsed time: The total time that the logger keeps recording.

Stop mode: The logger's actual stop mode, including temporary stop, stop via software, manual stop.

Stop mode: The set stop mode, including stop via software, manual stop.

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

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

Avg: The average value of the recorded temperature and humidity readings.

Initial alarm: The recorded time when the first out-of-limit alarm is triggered.



## 5.3 Alarm information

Alarm value: The alarm set-point of the logger (temperature / humidity)

Alarm delay: If the specified time when the measured temperature exceeds the alarm set-point elapses, the alarm will be triggered.

Alarm type: The set alarm type of the logger (single / cumulative).

Overrun time: The cumulative time of out-of-limits readings.

Overrun times: The number of out-of-limits readings.

Status: The status of the logger in each alarm zone.

# VI Parameter Settings

## 6.1 Device parameters

S/N: The unique code of the logger. It cannot be changed.

Log interval: The interval time between two successive points of data. It can be configured per day or time.

Trip code: User-created code, used to identify each task.

Trip description: A brief description of the task. 100 alphabetic and numeric characters.

Start mode: The mode the logger to be started, including manual start, timing start, immediate start. When timing start is set, start time choice box is available.

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.

Timing start: The logger starts running at the specified time. When timing start is selected, timing start selection box is available.

Stop mode: The way that the logger is stopped: manually, or via software.

Repeated start: The logger is started repeatedly, and the previously recorded data is cleared after a new startup.

Allow pause: During recording, the temperature and humidity collection and storage are suspended.

Temporary report: Whether the PDF report is allowed to be generated after the logger is inserted into the computer during recording.

Cyclic Record: When the data memory is full new data automatically replaces the oldest readings.

PDF language: The PDF report generated is in English / Chinese.

Temperature unit: Celsius / Fahrenheit.

## 6.2 Alarm parameters

Alarm mode: No alarm, high / low limit alarm, more high / low limit alarm zones optional.

Alarm value: Alarm set-point; temperature range:  $-40^{\circ}\text{C} \sim 90^{\circ}\text{C}$ ; humidity range:  $0\% \sim 100\%$ .

Alarm type: Single / cumulative.

Single type: Temperature/Humidity is above or below the alarm threshold and its duration is not less than the alarm delay, alarm will be triggered.

Cumulative type: Temperature/Humidity is above or below the alarm threshold and its cumulative time is not less than the alarm delay, alarm will be triggered.

Alarm delay: The time when temperature / humidity value exceeds the alarm set-point until the alarm

event is triggered.

## 6.3 Parameter template

Export template: The parameter values in current page are saved as a file.

Import template: Reads the specified parameter template file and loads the parameter values in the file into the interface.

## VII Summary

### 7.1 Graph

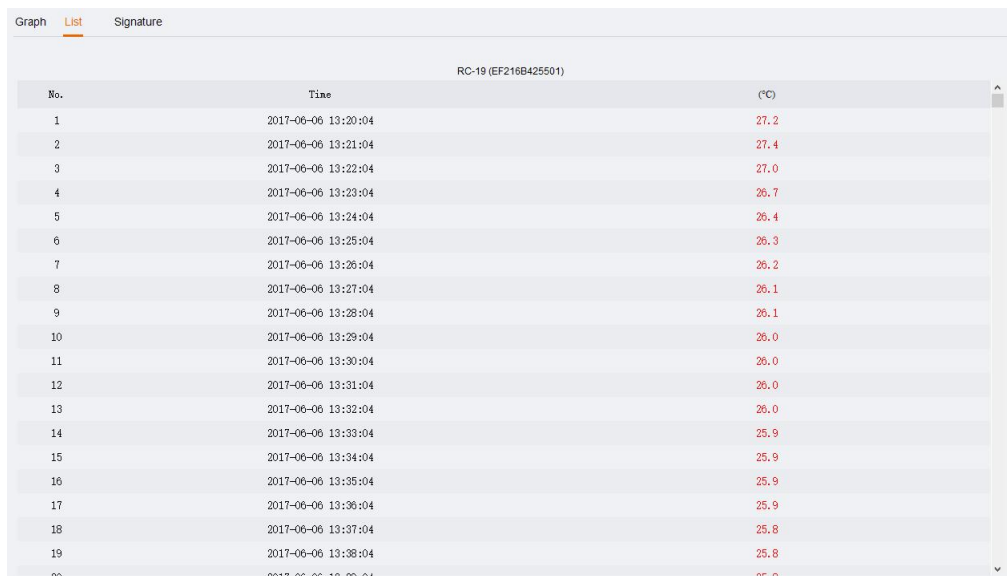


Click the "Graph" tab to display currently selected data of the logger. It can be the data of a currently connected logger or the historical data stored in the database. 10 data curves can be displayed at the same time for users to compare the temperature and humidity changes. The Y-axis on the left side of the graph shows the temperature scale value and the right Y-axis shows the humidity scale value. The X-axis shows the logger's time or reading's No.



Toolbar: The graph supports zoom and drag functions, allowing the user to zoom in, zoom out, and drag the curve by clicking the button in the upper left corner. The curve can be restored to its original state at any time after operation.

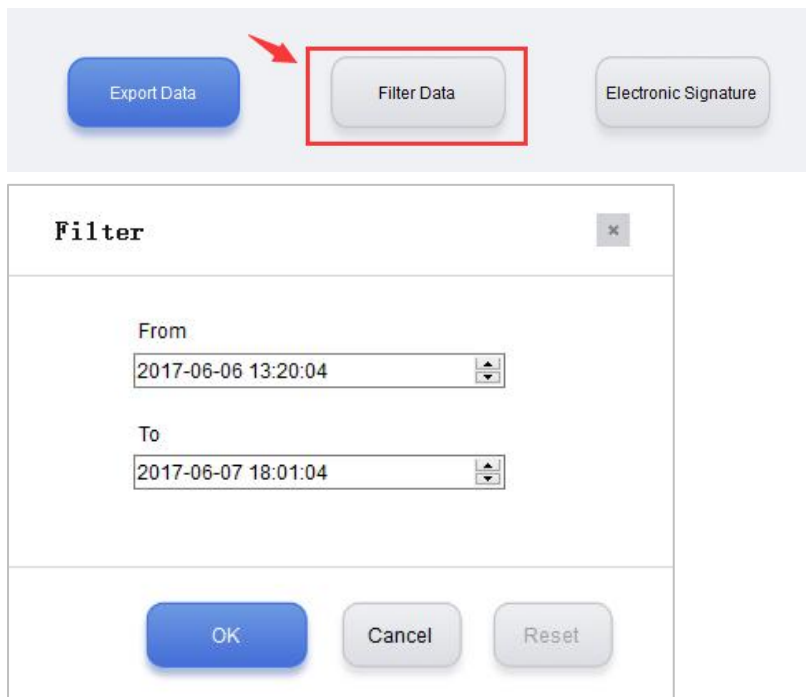
## 7.2 Table



RC-19 (EF216B425501)		
No.	Time	(°C)
1	2017-06-06 13:20:04	27.2
2	2017-06-06 13:21:04	27.4
3	2017-06-06 13:22:04	27.0
4	2017-06-06 13:23:04	26.7
5	2017-06-06 13:24:04	26.4
6	2017-06-06 13:25:04	26.3
7	2017-06-06 13:26:04	26.2
8	2017-06-06 13:27:04	26.1
9	2017-06-06 13:28:04	26.1
10	2017-06-06 13:29:04	26.0
11	2017-06-06 13:30:04	26.0
12	2017-06-06 13:31:04	26.0
13	2017-06-06 13:32:04	26.0
14	2017-06-06 13:33:04	25.9
15	2017-06-06 13:34:04	25.9
16	2017-06-06 13:35:04	25.9
17	2017-06-06 13:36:04	25.9
18	2017-06-06 13:37:04	25.8
19	2017-06-06 13:38:04	25.8

Click the "Table" tab to display currently selected data of the logger. It can be the data of a currently connected logger or the historical data stored in the database. Data from multiple devices can be viewed for comparison. Normal temperature and humidity data is marked in black, overrun value in red, and USB value in gray.

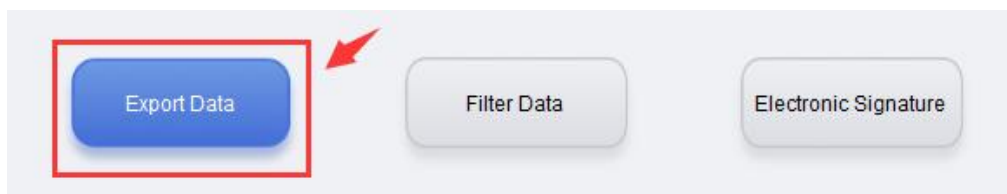
## 7.4 Data filtering

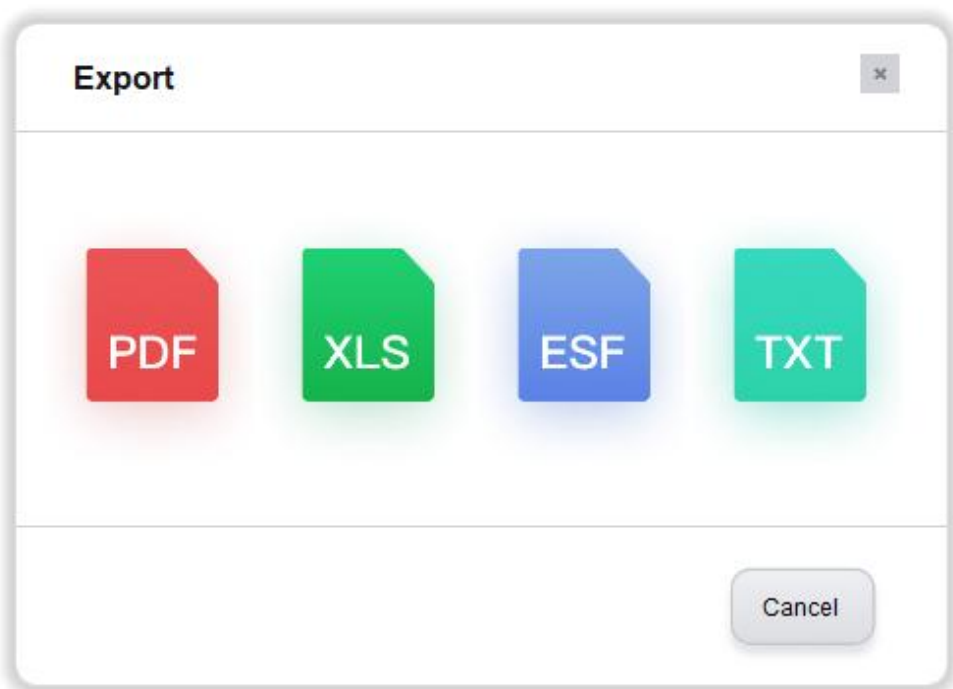


Click the "Filter Data" button at the bottom left. Select "Start time" and "End time", and click "OK", the software will automatically filter the data within specified time period. After data filtered, the software will automatically redraw the graph, table, and summary.

## 7.5 Export data

Click the "Export Data" button at the bottom left to export report to PDF, Excel and ESF (custom format) format.





# VIII Database

## 8.1 Historical data table

Click Database on the toolbar to query historical data. The data downloaded from the logger is automatically saved to the database and can be filtered as needed. Default display is the latest month's data. Users can also view data of a selected time range, filter alarm data, drag and select multiple lines of data. The data of multiple devices can be viewed and compared at the same time. It supports multi-graph drawing, parameter comparison and other functions.

Model	Data ID	Start Time	Trip Code	Current Readings	S1(Maximum)	S1(Minimum)	S2(Maximum)	S2(Minimum)	Remark
RC-4	EF5225190013_20231222132442	2023-12-22 13:24:13	0000001	3	22.4 °C	22.2 °C	N/A	N/A	
GSP-8	CM238000001_20231220134220	2023-12-20 05:41:27	0000001	1	24.1 °C	24.1 °C	20.2 %	20.2 %	
	CM238000001_20231220133858	2023-12-18 06:01:38	0000001	17098	25.9 °C	14.6 °C	36.3 %	18.6 %	
RC-5	EFE21C000001_20231219141225	2023-12-18 14:30:59	0000001	8528	29.6 °C	14.5 °C	N/A	N/A	
RC-5	EFE21C000001_20231219140610	2023-12-18 14:30:59	0000001	8491	26.7 °C	14.5 °C	N/A	N/A	
RC-5	EFE21C000001_20231219140348	2023-12-18 14:30:59	0000001	8477	26.5 °C	14.5 °C	N/A	N/A	
GSP-8	CM238000001_20231218140446	2023-12-18 06:01:38	0000001	18	22.5 °C	22.1 °C	20.8 %	19.4 %	
RC-4HC	EF7260000012_20231218140301	2023-09-20 13:40:30	0000001	16000	82.8 °C	-14.9 °C	93.3 %	36.6 %	
RC-4	EF5225190013_20231218135418	2022-12-13 14:50:31	0000001	16000	40.1 °C	-19.8 °C	N/A	N/A	
RC-4HC	EF7203800001_20231218134734	2023-12-15 15:53:00	0000001	16000	25.1 °C	15.2 °C	44.0 %	22.7 %	
RC-4HC	EF7203800001_20231218134714	2023-12-15 15:53:00	0000001	16000	25.1 °C	15.2 °C	44.0 %	22.7 %	
RC-4	EF52038000012_20231218133717	2022-05-07 13:37:46	0000001	924	26.5 °C	3.7 °C	N/A	N/A	
RC-4	EF52038000012_20231218133956	2023-10-30 14:47:02	0000001	16000	32.3 °C	23.2 °C	N/A	N/A	
RC-4	EF5203800009_20231218111944	2023-07-17 13:57:07	0000001	16000	28.1 °C	26.2 °C	N/A	N/A	
RC-4HC	EF7203800003_20231218102642	2023-09-14 13:15:50	0000001	4164	27.9 °C	-37.3 °C	68.5 %	7.8 %	
	EFE208101978_20231212130548	2023-12-11 09:49:39		8617	30.2 °C	17.5 °C	N/A	N/A	
GSP-8A	CM238000001_20231206095750	2023-12-04 06:02:22	0000001	15807	22.0 °C	16.7 °C	N/A	N/A	
RC-5	EFE208101978_20231205151535	2023-12-01 14:22:36		3000	74.3 °F	63.7 °F	N/A	N/A	
RC-5	EFE208101978_20231205151517	2023-12-01 14:22:36		9000	74.3 °F	60.1 °F	N/A	N/A	
Tlog 100EH	CM4202000003_20231205110539	2023-12-05 11:01:37	0000001	24	20.4 °C	19.9 °C	35.3 %	34.5 %	
Tlog 100EH	CM4202000003_20231205110117	2023-12-05 11:02:50	0000001	1	20.2 °C	20.2 °C	34.6 %	34.6 %	
Tlog 100EH	CM4202000003_20231205110059	2023-12-05 11:02:50	0000001	1	20.2 °C	20.2 °C	34.6 %	34.6 %	
Tlog 100EH	CM4202000003_20231205105544	2023-12-05 11:02:50	0000001	1	20.2 °C	20.2 °C	34.6 %	34.6 %	
RC-17H	EFM227100119_20231205103217	2023-11-27 13:48:09	0000001	16000	27.5 °C	17.3 °C	N/A	N/A	
RC-5	EFE208101978_20231205101427	2023-12-01 14:22:36		32000	74.3 °F	60.1 °F	N/A	N/A	
RC-5	EFE208101978_20231205095148	2023-12-01 14:22:36		32000	74.3 °F	60.1 °F	N/A	N/A	

Date time range:

2023-11-25 00:00:00

2023-12-25 23:59:59

Recent

1 month

SN:

☐ Alarmed Device

Edit:

View Details

Delete

Edit Remark

Import ESF

## 8.2 Filter data

Select the time range in certain month(s), the software will automatically filters out the historical data for that time period and displays the data in the table.



Date time range:

2022-02-15 00:00:00

2022-03-15 23:59:59

Recent

1 month

## 8.3 Select data line

Model	Data ID	Start Time	Trip Code	Current Readings	S1(Maximum)	S1(Minimum)
RC-51H	EL1801000074_20220315131225	2022-03-15 11:46:42	0000001	506	23.6 °C	21.0 °C
	CMM21A000001_20220315131049	2022-03-14 17:51:21	0000001	1160	N/A	N/A
RC-4HC	EF7205000004_20220315130924	2020-04-01 11:31:50		300	25.3 °C	16.7 °C
RC-51H	EL1801000074_20220315130447	2022-03-15 11:46:42	0000001	460	23.6 °C	21.0 °C
LogEt 8 PTE	EMO223000001_20220315114327	2022-03-14 06:36:31	0000001	127	20.4 °F	20.4 °F

Click the first column on the left side of the data table to select the data line. It is used to view the record or delete the selected data line.

## 8.4 View details

Edit:

View Details

Delete

Edit Remark

Click the "View details" button in the right sidebar to view the data details in graph, table or summary.



Graph List Signature

RC-51H (EL1801000074)

No.	Time	(°C)	(%RH)
1	2022-03-15 11:46:42	21.0	60.7
2	2022-03-15 11:46:52	21.6	65.7
3	2022-03-15 11:47:02	21.7	64.6
4	2022-03-15 11:47:12	22.2	61.3
5	2022-03-15 11:47:22	22.2	58.8
6	2022-03-15 11:47:32	22.4	56.4
7	2022-03-15 11:47:42	22.4	54.5
8	2022-03-15 11:47:52	22.9	53.0
9	2022-03-15 11:48:02	22.9	51.9
10	2022-03-15 11:48:12	22.9	50.9
11	2022-03-15 11:48:22	22.9	50.1
12	2022-03-15 11:48:32	22.9	49.6
13	2022-03-15 11:48:42	22.9	49.5
14	2022-03-15 11:48:52	23.1	49.0
15	2022-03-15 11:49:02	23.1	48.6
16	2022-03-15 11:49:12	23.1	48.5

## 8.5 Display alarm data

Device Options:

☒ Alarmed Device

Check “Alarm” in the right sidebar to view only the data of the alarmed device.

## 8.6 Delete data

Model	Data ID	Start Time	Trip Code	Current Readings	S1(Maximum)	S1(Minimum)	S2(Maximum)	S2(Minimum)	Remark
	EMQ21A000001_20220312103525	2022-02-07 13:30:31	0000001	1740	21.8 °C	9.7 °C	61.6 %	33.6 %	
LogEt18TH	EM5223000001_20220310154725	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogEt18TH	EM5223000001_20220310154627	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogEt18TH	EM5223000001_20220310154556	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogEt18TH	EM5223000001_20220310154318	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogEt18TH	EM5223000001_20220310153521	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogEt18TH	EM5223000001_20220310153100	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	

Edit:

View Details

Delete

Edit Remark

First click on the blank in the first column on the left side of the data table to select the data to be deleted. Then click the "Delete" button on the right sidebar, the software will prompt the user "whether to delete the data." After confirmed, the data will be deleted and cannot be recovered.

# IX System Settings

## 9.1 Options

Click “Preferences” on the toolbar to set the date/time format and language. Then click “Save”, the latest date and time format will be automatically updated for your use next time.

Preferences

Options

Date Format:

yyyy-MM-dd

Example 2022-03-15

Time Format:

HH:mm:ss

Example 13:27:49

Language:

English

Save

Cancel

# X FDA 21 CFR Part 11 Module

## 10.1 What is FDA 21 CFR Part 11 compliance?

The United States Food and Drug Administration (FDA) issued regulations Title 21 Code of Federal Regulations Part 11 in 1997 and enacted relevant industry guidelines in 2003 to refine the rules. It provides criteria for acceptance of electronic records, signatures, and handwritten signatures executed to electronic records as equivalent to paper records and handwritten signatures executed on paper. Part 11 applies to any record governed by an existing FDA predicate rule that is created, modified, maintained, archived, retrieved, or transmitted using computers and /or saved on durable storage media.

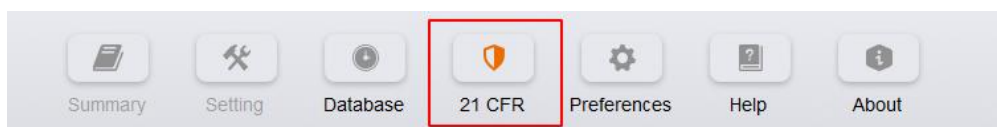
FDA 21 CFR Part 11 is widely accepted and implemented by biomedical companies, hospitals, research institutes and laboratories in the United States. Since issued, it has spread around the world. Although not mandatory, it is generally accepted and used in Europe and Asia. Any pharmaceuticals, biomedical related equipment, or information systems exported to the United States should comply with 21 CFR Part 11 regulations, which if violated, can deprive the exporter by the FDA of its right to sell goods to the United States.

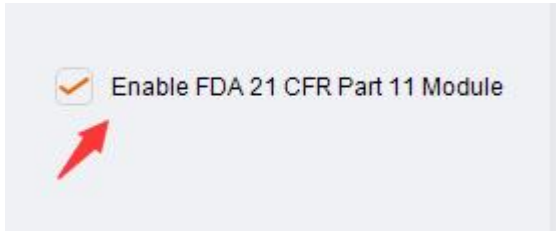
## 10.2 Access to the Module

Click "System" on the toolbar and then click the tab FDA 21 CFR Part 11 Module.

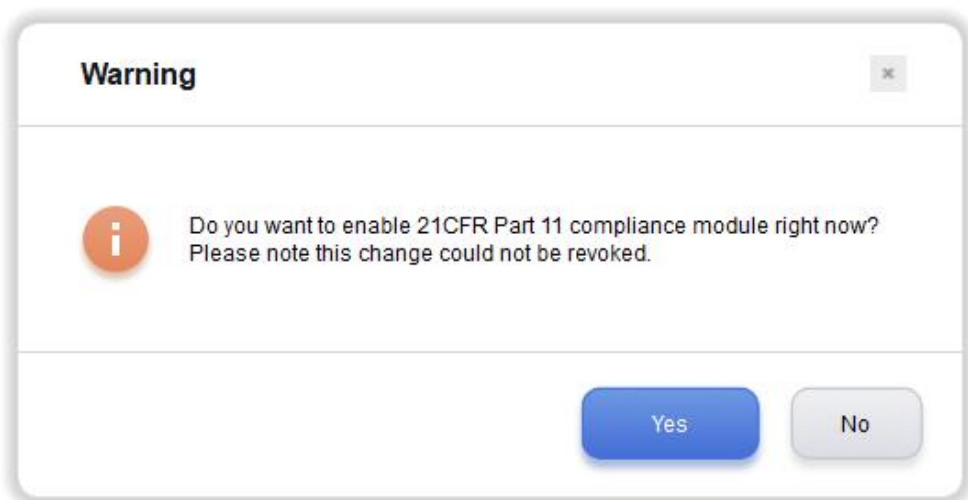
Note: 21 CFR Part 11 module is not a default function ready for use after software installation. You need to enable this module by going to System > FDA 21 CFR Part 11 Module. The interface gives a brief introduction to the module.

## 10.3 Activate the Module





Check “FDA 21 CFR 11 Module” to activate the module. After FDA 21 CFR 11 module is enabled, program will restart for the changes to take effect. Click Yes.



## 10.4 Initializing Administrator

After FDA 21 CFR Part 11 module enabled, you are required to create an administrator account for login.

Add

User Name

Full Name

Password

Confirm Password

Position

Type

☐ Administrator
☒ User

Save

Cancel

## 10.5 User Management

FDA 21 CFR Part 11 Module	User Information	User Management	Permission Management	Endorsement Management	Security Policy	Audit Log
User Name	Full Name	Position	Type	Status		
admin	admin	Fda admin	Administrator	Normal		
aaaaaa	aaaaaa	aaaaaa	User	Normal		
bbbbbb	bbbbbb	bbbbbb	User	Normal		

Administrator account can be used to create user accounts, change user info, lock/unlock

user and reset passwords.

**Add** ×

User Name

Full Name

Password

Confirm Password

Position

Type ☐ Administrator ☒ User

Save

Cancel

## 10.6 Rights Management

System Right

Administrator owns all system rights.

User right is granted or revoked by administrator.



FDA 21 CFR Part 11 Module
User Information
User Management
Permission Management
Endorsement Management
Security Policy
Audit Log

User Name	Full Name	Position	Type	Status
admin	admin	Eds admin	Administrator	Normal
aaaaaa	aaaaaa	aaaaaa	User	Normal
bbbbbb	bbbbbb	bbbbbb	User	Normal

System Permission

>>  
>  
<  
<<

Obtained Permissions  
Configure Device  
Sign Data  
Change Device Parameters  
Delete Data  
View Audit Trail

## 10.7 Meaning Management

To sign electronically, user must select a meaning, which will be linked to the data record.

FDA 21 CFR Part 11 Module	User Information	User Management	Permission Management	Endorsement Management	Security Policy	Audit Log
---------------------------	------------------	-----------------	-----------------------	------------------------	-----------------	-----------

User Name	Full Name	Position	Type	Status
admin	admin	Fda admin	Administrator	Normal
aaaaaa	aaaaaa	aaaaaa	User	Normal
bbbbbb	bbbbbb	bbbbbb	User	Normal

Available Endorsements  
☒ Approve  
☒ Check  
☒ Invalid

New Meaning:

Enter meaning name, click Save or Enter, the meaning will be saved to database.

Meaning Name:

Available Meanings:

All meanings are listed.

Meanings:

User meanings are managed by Administrator.

## 10.8 Security Policy

The screenshot shows a web interface for the 'FDA 21 CFR Part 11 Module'. The top navigation bar includes links for 'User Information', 'User Management', 'Permission Management', 'Endorsement Management', 'Security Policy' (which is highlighted with an orange underline), and 'Audit Log'. The main content area is titled 'Security Policy' and contains three configuration sections: 'Login attempts:' with a dropdown set to '3' and the unit 'times'; 'Login protection:' with a dropdown set to '0' and the unit 'min'; and 'Password expires on:' with a dropdown set to '30' and the unit 'days'. A note at the bottom states: 'Reminder: 0 indicates that this setting is disabled.'

### **Login attempts:**

If login attempts exceeds the set times, the account will be locked. Please contact administrator to unlock the account.

### **Login protection:**

If the system stays inactive after login for a period that exceeds the set time, it will be locked. User must log in again to operate the system.

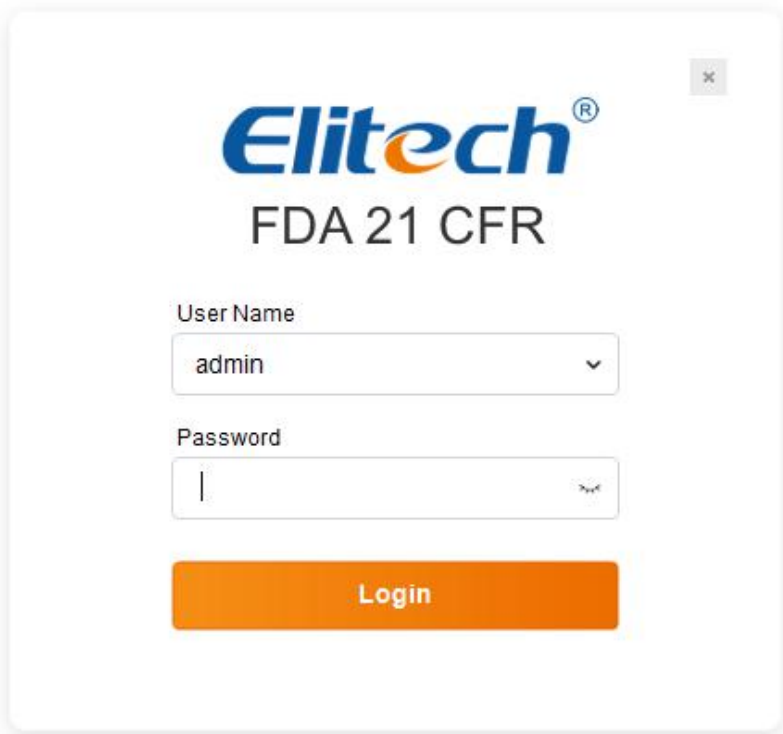
### **Password expiry date:**

This setting indicates the password is valid before a certain period of time. If the password expires, the system will remind the user of changing it 3 days earlier.

Reminder: 0 indicates that this setting is disabled.

## 10.9 User Login

If FDA 21 CFR Part 11 module is enabled, user must log in to enter the system.



The image shows a login window for Elitech FDA 21 CFR. The window has a title bar with a close button (X) in the top right corner. The logo "Elitech" is displayed in blue and orange, with a registered trademark symbol (®) to its upper right. Below the logo, the text "FDA 21 CFR" is shown in a large, bold, black font. Underneath, there are two input fields: "User Name" and "Password". The "User Name" field contains the text "admin" and has a dropdown arrow on its right side. The "Password" field is empty and has a small icon on its right side. At the bottom of the form is a large orange button with the word "Login" in white text.

Elitech®

FDA 21 CFR

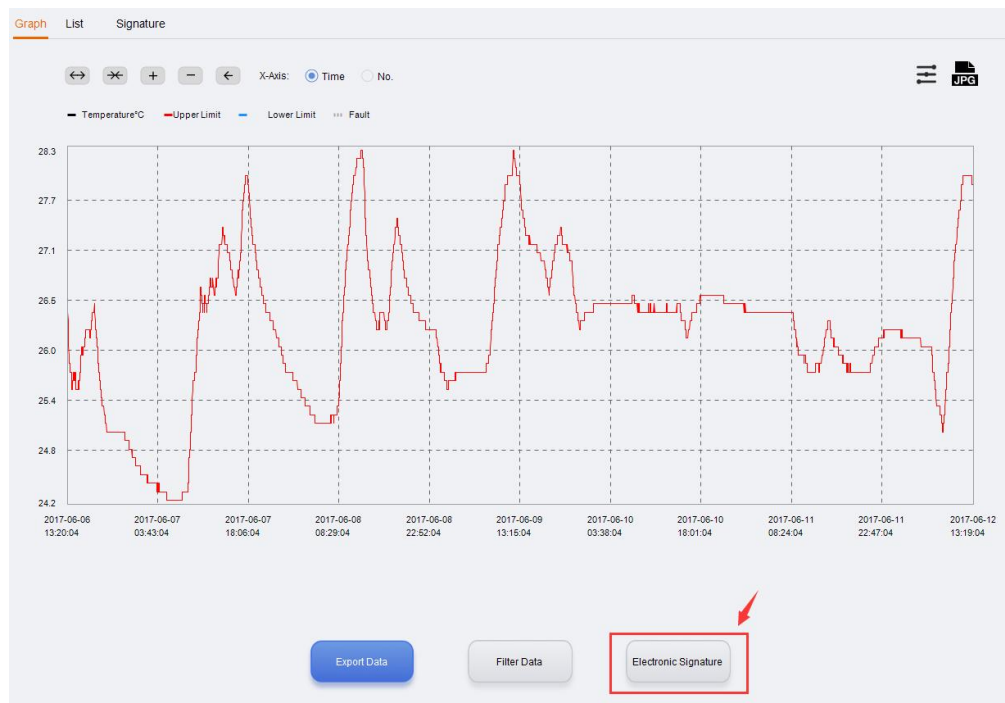
User Name

admin

Password

Login

## 10.10 Electronic Signature



After the data logger is connected to a computer and its data is downloaded to the database successfully, you may click "Graph" icon in the toolbar and then "Electronic Signature" to sign. Enter the user name and password in the popup interface as follows:

**Signature Permission**

---

User Name:

Password:

---

After signature authorization, please select one meaning as follows:

**Electronic Signature**

Signed User: admin

Please select one meaning.

Check

Approve

Invalid

OK

Cancel

Then click OK. The system will sign and pop up "Signature success". Then you may click the tab "Signature" under "Graph" to view signature information.

No.	User Name	Full Name	Endorsement	Time
1	admin	admin	Check	2022-03-15 13:39:22
2	admin	admin	Check	2022-03-14 20:53:43

## 10.11 Audit Trail

Audit trail records user's operations of the system, including time, actions, etc. The data can be filtered per time, audit type, action type and user name.

FDA 21 CFR Part 11 Module	User Information	User Management	Permission Management	Endorsement Management	Security Policy	Audit Log
Time	User Name	Operation	Detail			
2022-03-15 13:35:23	admin	Sign Data	User admin signs the data.			
2022-03-15 13:35:23	admin	Sign Data	Signature success			
2022-03-15 13:33:30	admin	Login	User admin logs in successfully.			
2022-03-15 13:32:59	admin	Logout	Exit			
2022-03-15 13:32:52	admin	Login	User admin logs in successfully.			
2022-03-15 13:32:46	admin	Logout	Exit			
2022-03-15 13:30:53	admin	Login	User admin logs in successfully.			
2022-03-15 13:29:16	admin	Logout	Exit			
2022-03-15 13:13:10	admin	System Event	RC-51H disconnected.			
2022-03-15 13:12:56	admin	System Event	RC-51H connected. SN: EL1801000074			
2022-03-15 13:12:54	admin	System Event	RC-51H disconnected.			
2022-03-15 13:12:45	admin	Configure Device	RC-51H configured parameters. SN=EL1801000074, CT=0, CH=0			

Date time range

2022-02-15 00:00:00

2022-03-15 23:59:59

Category

☒ System Audit Trail

☒ Analysis Audit Trail

☒ System Events

Operation Type

All Operations

User Name

Time	User Name	Operation	Detail
2022-03-15 13:35:23	admin	Sign Data	User admin signs the data.
2022-03-15 13:35:23	admin	Sign Data	Signature success
2022-03-15 13:33:30	admin	Login	User admin logs in successfully.
2022-03-15 13:32:59	admin	Logout	Exit
2022-03-15 13:32:52	admin	Login	User admin logs in successfully.
2022-03-15 13:32:46	admin	Logout	Exit
2022-03-15 13:30:53	admin	Login	User admin logs in successfully.
2022-03-15 13:29:16	admin	Logout	Exit

# XI Q & A

## 1. The data logger cannot be connected?

Check if the computer USB port is available. 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.

## 2. After the logger inserted, the software will pop up a prompt to enter password?

After the logger is connected to the computer, the software will automatically read the data of the logger. If the password is configured before the logger is started, the software will pop up a prompt to enter the password. If the password is forgotten, please check with the administrator who configured the logger.

## 3. It always prompts error when saving the data?

Check if the computer's disk space where the software is installed runs out.

## 4. Mail is not sent successfully when mailbox parameters have been set?

a) Please open the "System" interface, double check if the mail parameters are set correctly, including whether the SMTP address and port is consistent with that of the mailbox service provider. Please open your mail to check whether the mailbox service provider opened the SMTP service. If not, please contact your mail service provider to make sure you can use the SMTP service. If the SMTP configuration is incorrect, the mail cannot be sent.

b) Please check whether you entered a correct mail account and password. The mail cannot be sent from a wrong account.

c) If the mail parameters are confirmed correct, click “test mailbox” to make sure the mail can be sent.

## 5. The data cannot be read after the logger connected?

The logger is connected, but the software cannot read the data. Please check whether the status bar shows the logger model. If not, the logger is connected incorrectly. Please check whether the USB port is available or the cable is available. If OK, please check if the logger is damaged.



6. The software cannot be installed normally?

Please check whether the disk space where the software is installed runs out.

7. Errors always occur when the data is being read?

Please check if the USB port is loose and the cable is too long.

# Version Log

Version	Date	Description
V1.0	2017-06-19	The first version.
V1.1	2017-07-31	Add LogEt, RC-5+.
V2.0	2017-12-12	Add FDA function.
V3.0	2018-03-26	FDA audit passed.
V3.3.0	2018-09-28	Increase GSP8, LogEt8TE and LogEt8TH support.
V3.3.1	2018-10-26	Modify humidity data to display wrong BUG. Replace LOG pictures.
V3.3.2	2018-12-25	Modify RC4HC humidity data unit to display no temperature error
V4.0.0	2019-03-01	Support LogET1 Series Recorder Support LogET8 Series Recorder Automatic update of new programs
V4.3.0	2019-11-05	1.Tlog adds repeat start and stop function 2.Enhance GSP-8A functionality 3.Fixed some bugs
V4.4.0	2020-01-19	Fixed some bugs
V4.5.0	2020-02-26	Modify the low voltage display range, modify the actual points and read points of the COM port recorder
V5.0.0	2020-04-28	Added the function of uploading data to the cloud
V5.0.2	2020-08-06	Increase industry application functions. Brand segmentation.
V6.0.0	2020-09-27	Add automatic upgrade function
V6.0.2	2021-04-16	Increase RC-17, RC-17N. Fix some bugs.

V6.0.3	2021-05-24	GSP-6 and GSP-6G increase display minimum and maximum function
V7.0.0	2022-03-15	New UI release
V7.0.1	2022-07-30	New UI function optimization and upgrade
V7.2.0	2023-12-25	1. Add some new functions 2. Optimize some functions
V7.2.1	2024-02-05	1. Support for reading shadow data function 2. Optimize some functions
V7.2.2	2024-05-20	1. German and French added to software languages 2. Support elt file import 3. Optimize some functions
V8.0.0	2024-05-20	Fixed some known issues
V8.2.1	2024-08-20	Added compatibility for 6RO models