Data Management Software

User Manual

2022-07

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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

Pentium 1GHz or above, 2G or more A hard drive with 1GB available disk space Windows XP(32 bit), Windows 7 / 8 / 10 Mouse or other pointing device A VGA monitor with display resolution 1440 x 900 pixels or better Computer administrator account

II Install & Start

2.1 Install

- 1) Double click installer to start installation.
- 2) Select destination location.

	(<u></u>)		×
		(
owing folder different fold	r . er, dick	Browse.	
	Brow	vse	
	Brow	vse	
Next			col
	owing folder	owing folder. different folder, dick l Brov	owing folder. different folder, dick Browse Browse Browse

3) Click Install.



4) Click Finish and installation completes.



2.2 Start



Double click **HeadlogW** on your computer desktop to start the software.

2.3 Uninstall

- 1) Open Windows start menu, find this software.
- 2) Right click Uninstall to enter Add or Remove Programs.
- 3) click Uninstall.
- 4) Wait until uninstallation completes.

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.

 $21\ \text{CFR}\colon\ \text{FDA}\ 21\ \text{CFR}\ \text{Part}\ 11\ \text{Function.}$

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).

Calibration: CNAS calibration website.

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.

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

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° ° 90°C; humidity range: 0% ~ 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.	Tine	(°C)	í
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	28.0	
13	2017-06-06 13:32:04	28.0	
14	2017-06-06 13:33:04	25.9	
15	2017-08-08 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	
00	0017 00 00 10 00 01	05.0	•

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

Fi1	ter ×	
	From	
	2017-06-06 13:20:04	
	То	
	2017-06-07 18:01:04	

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 ELT (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.

						ElitechLog								
Eli	itech°		Summary	Setting Da	0 tabase	21 CFR Prefere	nces Calibrat	lon Help	About					
		Model RC-51H	Data ID EL1801000074_20220315131225	Start Time 2022-03-15 11:46:42	Trip Code 0000001	Current Readings	S1(Maximum) 23.6 °C	S1(Winimum) 21.0 °C	S2(Maximum) 65.7 %	S2(Winimum) 44.2 %	Remark	^	Date time range: 2022-02-15 00:00:00 2022-03-15 23:59:59	
	¥.	RC-4HC	CMM214000001_20220315131049 EF7205000004_20220315130924	2022-03-14 17:51:21 2020-04-01 11:31:50	0000001	1160 300	N/A 25.3 °C	NIA 16.7 °C	56.8 % 50.2 %	44.6 % 24.0 %			Ecosat 1 month	v
		RC-51H LogEL8 PTE	EL1801000074_20220315130447 EM0223000001_20220315114327	2022-03-15 11:46:42 2022-03-14 06:38:31	0000001	450	23.5 °C 20.4 °F	21.0 °C 20.4 °F	65.7 %	44.2 %			Device Options:	
		LogEt 8TH	EM0223000001_20220315114120	2022-03-14 06:35:35	0000001	127	NA	NIA	300.0 %	300.0 %			Filter Data:	
Model:	. I	LogEt 8TH	EM0223000001_20220314211953	2022-03-14 06:35:35	0000001	41	NA	NA	300.0 %	300.0 %			All data Local data Cloud data	
Clock: Battery:	:	LogE18TH	EW02223000001_20220314211006	2022-03-14 06:35:35	0000001	39	N/A	NIA	300.0 %	300.0 %			Edit:	
Status : Points :	. I		EM021A000001_20220312103748 EM021A000001_20220312103525	2022-03-12 10:37:36 2022-02-07 13:30:31	0000001	1 1740	68.7 °F 21.8 °C	68.7 °F 9.7 °C	49.8 % 61.6 %	49.8 % 33.6 %			View Details	
First Point: Last Point:			EM5223000001_20220312101803 EM5223000001_20220312101705	2022-03-12 02:17:45 2022-03-12 02:11:25	0000001	1	70.1 °F 67.4 °F	70.1 °F 67.4 °F	58.7 %	58.7 % 58.4 %			Delitte	
Max: Min:	- 1	LogE18TH	EM5223000001_20220312101145 EM5223000001_20220310154725	2022-03-12 02:11:25 2022-03-10 05:43:56	0000001	1	67.4 °F 22.8 °C	67.4 °F 22.5 °C	58.4 % 53.6 %	58.4 % 42.5 %			Loss (Vertrans,	
Alarm:	Reload Data	LogE18TH LogE18TH	EM5223000001_20220310154627 EM5223000001_20220310154556	2022-03-10 05:43:56 2022-03-10 05:43:56	0000001	2	22.8 °C 22.8 °C	22.5 °C 22.5 °C	53.6 % 53.6 %	42.5 % 42.5 %				
	Quick Reset	LogE18TH LogE18TH	EM5223000001_20220310154318 EM5223000001_20220310153521	2022-03-10 05:43:56 2022-03-10 05:43:56	0000001	2	22.8 °C 22.8 °C	22.5 °C 22.5 °C	53.6 % 53.6 %	42.5 % 42.5 %				
		LogE18TH	EM5223000001_20220310153100	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %				

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.



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
1	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



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



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 Tip Code Rumands R										
EM021400001_20220312103525 2022-02-07 13:30:31 000001 1740 218 °C 97 °C 61.6 % 33.6 % LogE16TH EM0222030001_20220310154725 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM5222000001_20220310154027 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM5222000001_20220310154031 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_2022031015431 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310155321 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310153100 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310153100 2022-03-10 05:43.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % Edit: View Details	Model	Data ID	Start Time	Trip Code	Current Readings	S1(Maximum)	S1(Minimum)	S2(Maximum)	S2(Minimum)	Remark
LogE16TH EM522300001_20220310154725 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310154625 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310154655 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310154531 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310154531 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310155521 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310153502 2022-03-10 054356 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % Edit: View Details View Details<		EMQ21A000001_20220312103525	2022-02-07 13:30:31	0000001	1740	21.8 *C	9.7 *C	61.6 %	33.6 %	
LogE16TH EM5223000001_20220310154827 2022-03-10 0543.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM5223000001_20220310154382 2022-03-10 0543.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310154318 2022-03-10 0543.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310153521 2022-03-10 0543.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310153521 2022-03-10 0543.56 000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE16TH EM522300001_20220310153100 2022-03-10 0543.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % Edit: View Details Delete	LogEt 8TH	EM5223000001_20220310154725	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 *C	53.6 %	42.5 %	
LogE18TH EM52223000001_20220310154588 2022.03:10 05.43.50 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE18TH EM5223000001_20220310153382 2022.03:10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE18TH EM5223000001_20220310153512 2022.03:10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE18TH EM5223000001_20220310153100 2022.03:10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 %	LogEt 8TH	EM5223000001_20220310154627	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogE18TH EM5223000001_20220310154318 2022-03-10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE18TH EM5223000001_2022031015350 2022-03-10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % Edit: View Details Delete Delete	LogEt 8TH	EM5223000001_20220310154556	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogE18TH EM5223000001_20220310153521 2022-03-10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % LogE18TH EM5223000001_20220310153100 2022-03-10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.6 % 42.5 % Edit: View Details Delete	LogEt 8TH	EM5223000001_20220310154318	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
LogEI8TH EM5223000001_20220310153100 2022-03-10 05.43.56 0000001 2 22.8 °C 22.5 °C 53.8 % 42.5 % Edit: View Details Image: Compare the second se	LogEt 8TH	EM5223000001_20220310153521	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
Edit: View Details Delete	LogEt 8TH	EM5223000001_20220310153100	2022-03-10 05:43:56	0000001	2	22.8 °C	22.5 °C	53.6 %	42.5 %	
Delete	Edit:				5.					
	Edit:	View De	tails							

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.

XI System Settings

11.1 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.

Options				
Date Format:				
yyyy-MM-dd	~	Example	2022-03-15	
Time Format:				
HH:mm:ss	~	Example	13:27:49	
Language:				
English	~			

XII FDA 21 CFR Part 11 Module

12.1 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.

12.2 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.

12.2.1 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.



12.2.2 Initializing Administrator

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

User Na	ime			
Full Nan	ne			
Passwo	rd			
				~~~*
Confirm	Password			
				***
Position				
Туре	O Adminis	strator	🖲 User	

# 12.2.3 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	Туре		Status
adnin		adnin	fda admin	Administrator	ŝ.	Fornal
888888			666666	User		Normal
bbbbbb		ььььь	ьььььь	User		Normal

Administrator account can be used to create user accounts, change user info, lock/unlock user and reset passwords.

User Name	
Full Name	
Password	
Confirm Password	~
	~
Position	
Type 🔘 Administrate	or 🖲 User

# 12.2.4 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 Securit	y Policy Audit Log
User Bane	Full Name	Position	Туре	Status
admin	admin	fda admin	Administrator	Normal
888888	aaaaa	aasaa	Vser	Normal
ььььь	ъррая	ььььь	Vser	Normal
-System Permission		>>>	-Obtained Permissions	
			Configure Device	
		>	Change Device Parameters	
		<	Delete Data View Audit Trail	

### 12.2.5 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	Туре		Status
ednin						
333333				User		Normal
bbbbbb		bbbbbb	bbbbbb	User		Normal
Available Endorsements						

New Meaning:

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

6	

Available Meanings:

All meanings are listed.

Meanings:

User meanings are managed by Administrator.

### 12.2.6 Security Policy

FDA 21 CFR Part 11 Module	User Information	User Management	Permission Management	Endorsement Management	Security Policy	Audit Log
Login attempts: 3 🌩 times						
Login protection:						
Password expires on:						
Reminder: 0 indicates that this setting	ng 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: O indicates that this setting is disabled.

# 12.2.8 User Login

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

FDA 21	CFR
User Name	
admin	~
Password	
	~



# 12.2.9 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:

User Name:	
Password	
	~

After signature authorization, please select one meaning as follows:

Signed User∶admin		
lease select one	meaning. ——	
Check		
pprove		
nvalid		

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.

Graph List S	ignature			
¥-	W W	n.11 N	F. J	T2
1	admin	adnin	Check	2022-03-15 13:35:22
2	admin	adnin	Check	2022-03-14 20:53:43

# 12.2.11 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		Date time range
Time	User Name	Operation	Detail	^	2022-02-15 00:00:00
2022-03-15 13:35:23	admin	Sign Data	User admin signs the data.		2022-03-15 23:59:59
2022-03-15 13:35:23	admin	Sign Data	Signature success		
2022-03-15 13:33:30	admin	Login	User admin logs in successfully.		Category
2022-03-15 13:32:59	admin	Logout	Exit		System Audit Trail
2022-03-15 13:32:52	admin	Login	User admin logs in successfully.		Analysis Audit Irall     System Events
2022-03-15 13:32:46	admin	Logout	Exit		C Option Lions
2022-03-15 13:30:53	admin	Login	User admin logs in successfully.		Operation Type
2022-03-15 13:29:16	admin	Logout	Exit		All Operations $\checkmark$
2022-03-15 13:13:10	admin	System Event	RC-51H disconnected.		User Name
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. S/N=EL1801000074, CT=0, CH=0		

	Time	User Name	Operation	Detail
۲	2022-03-15 13:35:23	admin	Sign Data	User admin signs the data.
۲	2022-03-15 13:35:23	admin	Sign Data	Signature success
۲	2022-03- <mark>1</mark> 5 13:3 <mark>3</mark> :30	admin	Login	User admin logs in successfully.
۲	2022-03-15 13:32:59	admin	Logout	Exit
۲	2022-03-15 13:32 <mark>:</mark> 52	admin	Login	User admin logs in successfully.
۲	2022-03-15 13:32:46	admin	Logout	Exit
۲	2022-03-15 13:30:53	admin	Login	User admin logs in successfully.
۲	2022-03-15 13:29:16	admin	Logout	Exit

# XIII 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	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	<ol> <li>Tlog adds repeat start and stop function</li> <li>Enhance GSP-8A functionality</li> <li>Fixed some bugs</li> </ol>

# Version Log

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
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