



Elitech USB Temperature Data Logger User Manual

[Home](#) » [Elitech](#) » Elitech USB Temperature Data Logger User Manual 

Contents

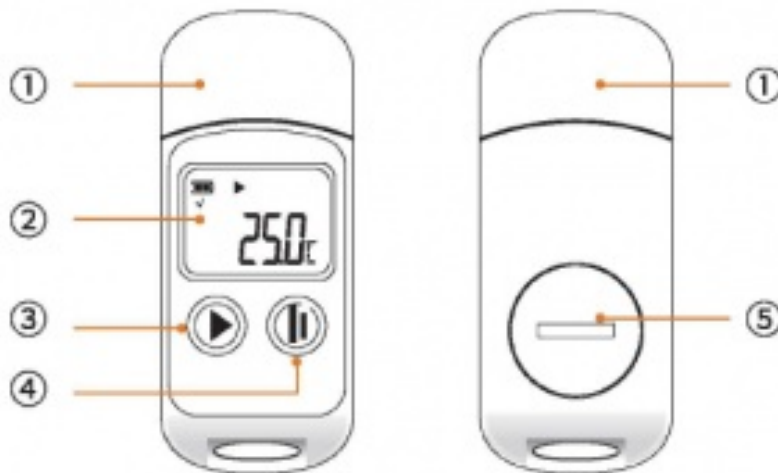
- 1 Elitech USB Temperature Data Logger User Manual
- 2 Overview
- 3 Specifications
 - 3.1 Model
 - 3.2 RC-5
 - 3.3 RC-5+/TE
- 4 Operation
 - 4.1 1. Battery Activation
- 5 2. Install Software
- 6 3. Configure Parameters
- 7 5. Mark Events (RC-5+/TE only)
- 8 6. Stop Logging
- 9 7. Download Data
- 10 e. Reuse the Logger
 - 10.1 9. Repeat Start (RC-5+/TE only)
- 11 Status Indication
 - 11.1 Buttons
 - 11.2 Operations
 - 11.3 Function
- 12 2. LCD Screen
 - 12.1 3. LCD Interface
- 13 Battery Replacement
- 14 What's Included
- 15 Warning
- 16 Appendix Default Parameters
- 17 Read More About This Manual & Download PDF:
- 18 Documents / Resources
- 19 Related Posts

Elitech USB Temperature Data Logger User Manual



Overview

The RC-5 series are used to record the temperature/humidity of foods, medicines and other goods during storage, transportation and in each stage of the cold chain including cooler bags, cooling cabinets, medicine cabinets, refrigerators, laboratories, reefer containers and trucks. RC-5 is a classic USB temperature data logger used in a wide range of applications around the world. RC-5+ is an upgraded version that adds the functions, including automatic PDF reports generation, repeat start without configuration, etc.



1. CD USB Port
2. LCD Screen
3. Left Button
4. Right Button
5. Battery Cover

Specifications

Model	RC-5	RC-5+/TE
Temperature Measurement Range	-30°[~+70°[(-22°F~158°F)*	
Temperature Accuracy	±0.5 0 [±0.9°F (-20°[-+40°[]; ±1°[±1.8°F (others)	
Resolution	0.1°[°F	
Memory	Maximum 32.000 points	

Logging Interval	10 seconds to 24 hours I	10 seconds to 12 hours
Data Interface	USB	
Start Mode	Press button; Use software	Press button; Auto start; Use software
Stop Mode	Press button; Auto stop; Use software	
Software	Elitechlog, for macOS & Windows system	
Report Format	PDF/EXCEL/TXT** by ElitechLog software	Auto PDF report; PDF/EXCEL/TXT** by ElitechLog software
Shelf Life	1 year	
Certification	EN12830, CE, RoHS	
Protection Level	IP67	
Dimensions	80×33.S×14mm	
Weight	20g	

At ultra/ow temperature, the LCD is slow but does not affect normal logging. It will be bock to normal offer the temperature rises.

•• TXT for Windows ONLY

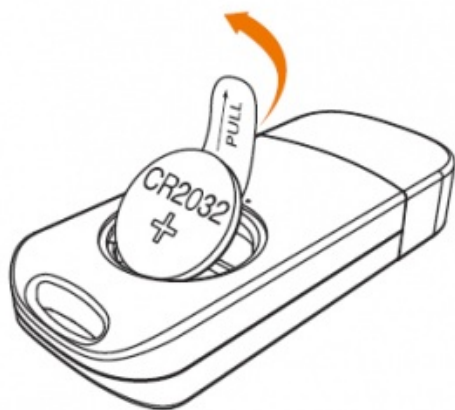
Operation

1. Battery Activation

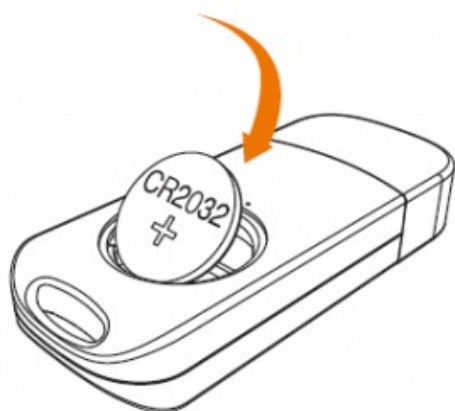
1. Turn the battery cover counterclockwise to open it.



2. Gently press the battery to hold it in position, then pull out the battery insulator strip.



3. Turn the battery cover clockwise and tighten it.



2. Install Software

Please download and install the free Elitechlog software (macOS and Windows) from Elitech US: www.elitechstore.com/pages/download or Elitech UK: www.elitechonline.co.uk/software or Elitech BR: www.elitechbrasil.com.br.



3. Configure Parameters

First, connect the data logger to the computer via USB cable, wait until g icon shows on the LCD; then configure via: ElitechLog Software: If you do not need to change the default parameters (in Appendix); please click Quick Reset under Summary menu to synchronize local time before usage; If you need to change the parameters, please click the Parameter menu, enter your preferred values, and click the Save Parameter button to complete the configuration.

Warning! For first time user or after battery replacement: To avoid time or time zone errors, please make sure you click Quick Reset or Save Parameter before usage to sync and configure your local time into the logger.

5. Mark Events (RC-5+/TE only)

Double click the right button to mark current temperature and time, up to 10 groups of data. After marked, it will be indicated by Log X on the LCD screen (X means the marked group).

6. Stop Logging

Press Button*: Press and hold the button for 5 seconds until the icon ■ shows on the LCD, indicating the logger stops logging. Auto Stop: When the logging points reach the maximum memory points, the logger will stop automatically. Use Software: Open Elitech Log software, click Summary menu, and Stop Logging button.

Note: *Default stop is via Press Button, if set as disabled, the button stop function will be invalid; please open the ElitechLog software and click Stop Logging button to stop it.



7. Download Data

Connect the data logger to your computer via USB cable, wait until the icon !;I shows on the LCD; then download via: ElitechLog Software: The logger will auto-upload data to ElitechLog, then please click Export to select your desired file format to export. If data failed for

auto-upload, please manually click Download and then follow the export operation.

- Without ElitechLog Software (RC-5+/TE only): Simply find and open the removable storage device ElitechLog, save the auto generated PDF report to your computer for viewing.



e. Reuse the Logger

To reuse a logger, please stopped it first; then connect it to your computer and use ElitechLog software to save or export the data. Next, reconfigure the logger by repeating the operations in 3. Configure Parameters*. After finished, follow 4. Start Logging to restart the logger for new logging.

Without ElitechLog Software (RC-5+/TE only): Simply find and open the removable storage device ElitechLog, save the auto generated PDF report to your computer for viewing.

Warning!

To make space for new loggings, oil previous logging data inside the logger will be deleted after re-configuration. If you forgot to save/export data, please try to locate the logger in the History menu of ElitechLog software.

9. Repeat Start (RC-5+/TE only)

To restart the stopped logger, you may press and hold the left button to start logging quickly without reconfiguration. Please backup data before restart by repeating 7. Download Data – Download via ElitechLog Software

Status Indication

1. Buttons






Operations	Function
Press and hold the left button for S seconds	Start logging
Press and hold the right button for 5 seconds	Stop logging
Press and release the left button	Check/Switch interfaces
Press and release the right button	Back to the main menu
Double click the right button	Mark events (RC-5+/TE only)

2. LCD Screen



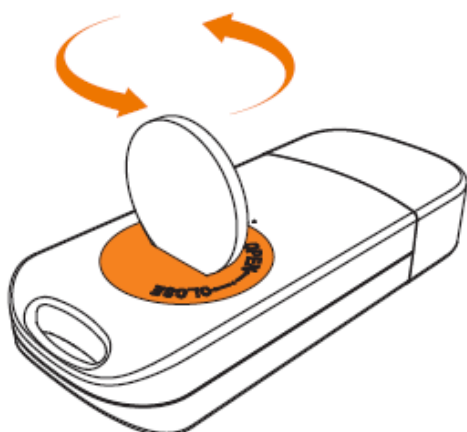
1. Battery Level
2. Stopped
3. Logging
4. ® Not started
5. Connected to PC
6. High Temperature Alarm
7. Low Temperature Alarm
8. Logging Points
9. No Alarm/Mark Success
10. Alarmed/Mark Failure
11. Month
12. Day
13. Maximum Value
14. Minimum Value

3. LCD Interface

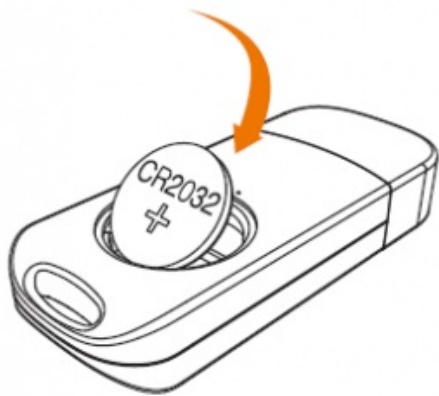
Temperature		Current Date: M-D	
Logging Points		Maximum Temperature:	
Current Time		Minimum Temperature:	

Battery Replacement

1. Turn the battery cover counterclockwise to open it.



2. Install a new and wide-temperature CR2 □ 32 button battery into the battery compartment, with its+ side facing upward.



3. Turn the battery cover clockwise and tighten it.



What's Included

- Data Logger x 1
- User Manual x 1
- Calibration Certificate x1
- Button Battery x1

Warning

- ⚠ Please store your logger at room temperature.
- ⚠ Please pull out the battery insulator strip in the battery compartment before using.
- ⚠ For first time user: please use ElitechLog software to synchronize and configure the system time.
- ⚠ Do not remove the battery from the logger while it's recording.
- ⚠ The LCD will be auto off after 15 seconds of inactivity (by default). Press the button again to turn on the screen.
- ⚠ Any parameter configuration on ElitechLog software will delete all logged data inside the logger. Please save data before you apply any new configurations.
- ⚠ Do not use the logger for long-distance transport if the battery icon is less than half as

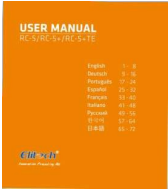
Appendix

Default Parameters

Model	RC-5	RC-5+	RC-5+TE
Logging Interval	15 minutes	2 minutes	2 minutes
Start Mode	Press Button	Press Button	Press Button
Start Delay	0	0	0
Stop Mode	Use Software	Press Button	Press Button
Repeat Start		Enable	Enable
Circular Logging	Disable	Disable	Disable
Time Zone		UTC+00:00	UTC+00:00
Temperature Unit	°C	°C	°C
High Temperature Limit	60 °C	/	/
Low Temperature Limit	-30 °C	/	/
Calibration Temperature	0 °C	0 °C	0 °C
Temporary PDF		Enable	Enable
PDF Language		Chinese/English	Chinese/English
Sensor Type	Internal	Internal	External

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USB Temperature Data Logger, RC-5, RC-5+, RC-5+ TE