



MULTI-USE TEMPERATURE & HUMIDITY DATA LOGGER

FVZLOGPRO-30XT

USER MANUAL

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1. Intended Use & Important Information

ZLOGPRO-30XT is a reusable high-precision temperature data logger that records all critical temperature data throughout its operation. Users can access complete PDF or CSV reports without the need for any additional hardware or software.

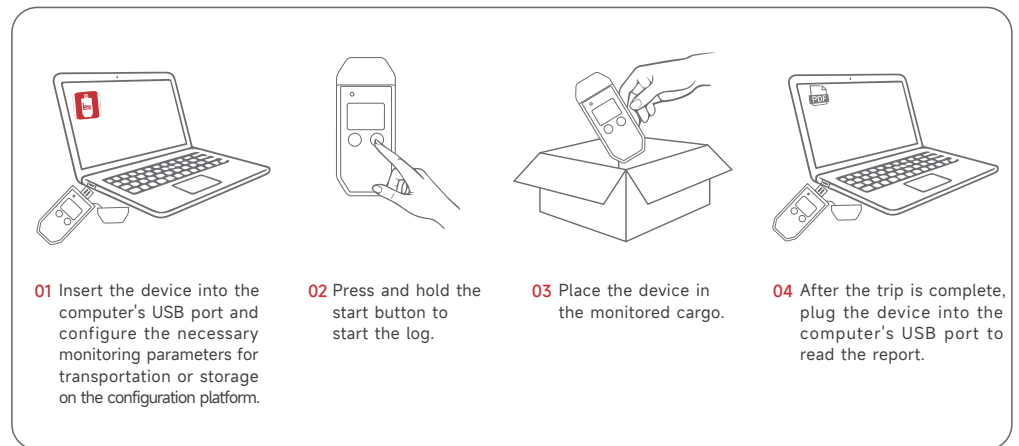
The device offers excellent accuracy and stability, with a measurement accuracy of up to $\pm 0.3^{\circ}\text{C}$, ranging from -30°C to $+70^{\circ}\text{C}$ (-22°F to 158°F). It is well-suited for applications with stringent temperature monitoring requirements, such as pharmaceuticals, biological products, vaccines, and cold chain logistics.

The device comes with a default configuration and is ready to use out of the box. It also supports parameter configuration via the LoggerAnalysis software to meet various transportation and storage needs. The device is reusable.

For data integrity, the device features a shadow data recording mechanism: From the time of manufacturing until the first activation, the system automatically records shadow data. Once the device is started by pressing the button, the shadow data will be cleared. During operation, if the device stops unexpectedly, data logging will continue, ensuring data completeness and continuity, and enabling full traceability throughout the transportation process.

The device status can be easily viewed on the high-definition LCD screen. When connected to a computer via USB, a complete data report is automatically generated for quick viewing and export.

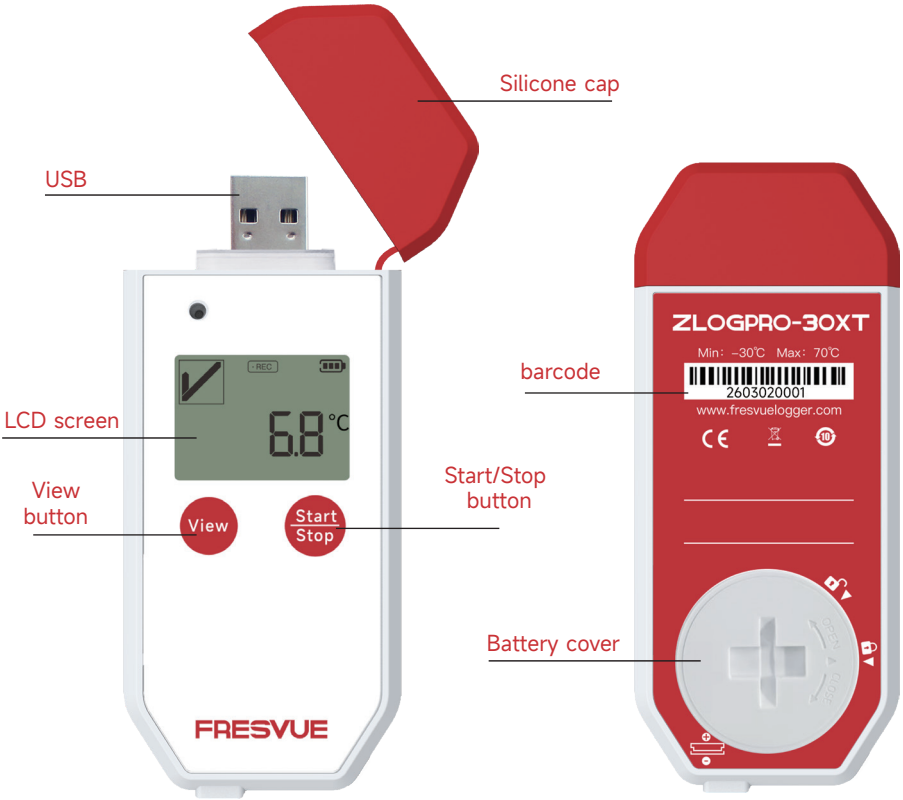
Quick Start Guide & Important Information:



2. Disposal Instructions

ZLOGPRO-30XT is equipped with a CR2450 lithium metal coin cell battery, which is a key component of the electronic device. The device is designed for repeated use, and the battery is replaceable. During its service life, the operating time of the device can be extended by replacing the battery, effectively reducing overall costs and minimizing electronic waste.

3.Equipment Information

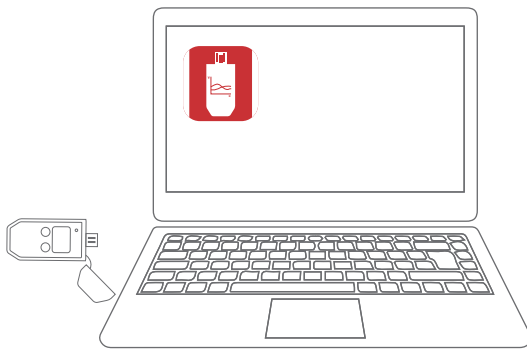


Battery life	Up to 2 years(1 year storage / 1 year useful life) @25°C,5 minutes logging interval
Sensor Type	TI High Accuracy Sensor (NIST Traceable)
Operation Temperature	-30°C~70°C
Measurement Accuracy	±0.3°C@-30~70°C
Resolution	0.1°C
Memory Space	Up to 33,000 points
Logging Interval	1 minute -24 hours optional (Default 5 minutes)
Start Delay	0 minute -24 hours optional (Default 10 minutes)
Start Mode	Manual start
Alarm Limit	Up to 6 individually programmable alarm limits
Report Format	PDF/CSV/PDF&CSV optional (Default PDF&CSV)
Configuration	Web & Desktop Software
IP Grade	IP65
Battery Type	3.0V CR2450
Connection	USB2.0
Certification	CE, EN12830:2018, RoHS

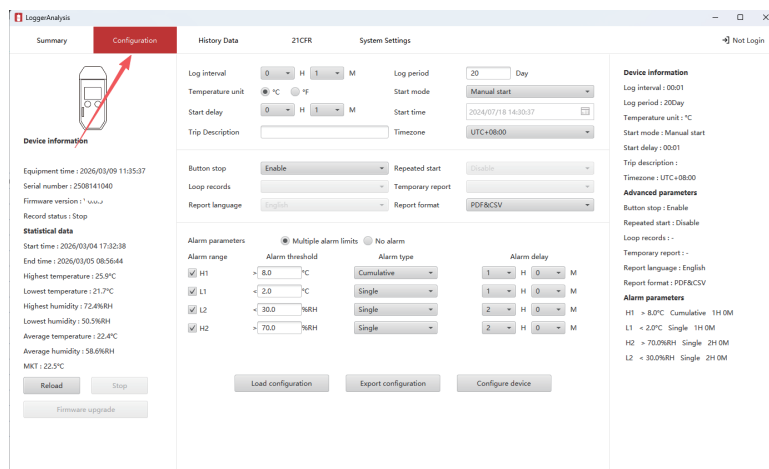
4.Configuration software

The ZLOGPRO-30XT can be configured and evaluated via the LoggerAnalysis host computer software. This platform allows users to adjust all settings to suit their application scenarios and provides comprehensive logging data archiving and processing capabilities.

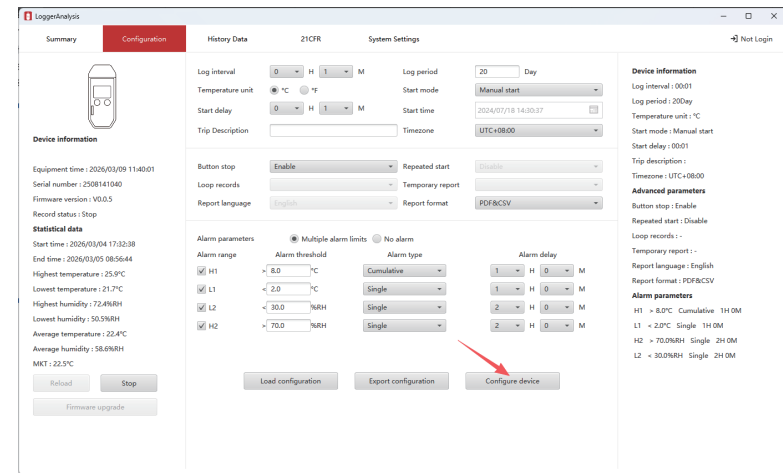
- Download and install the LoggerAnalysis software, then plug the device into the computer's USB port.



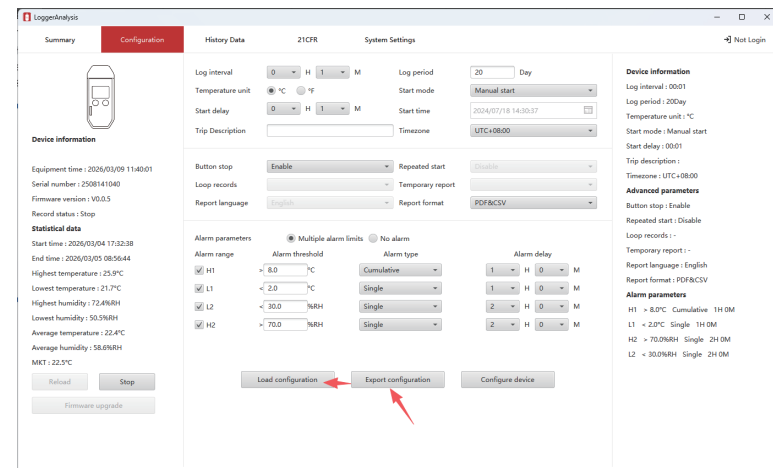
- Open the software, click on configuration, and set the parameters as needed on the configuration page.



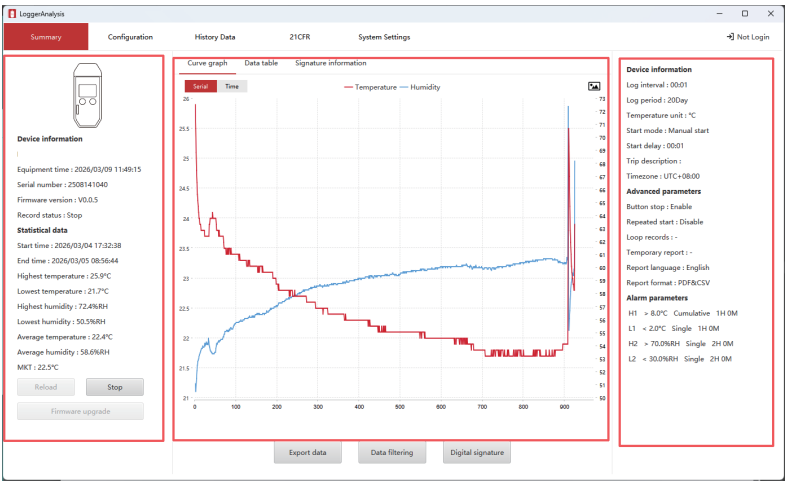
- After setting the parameters, click "Configure" to complete the configuration.



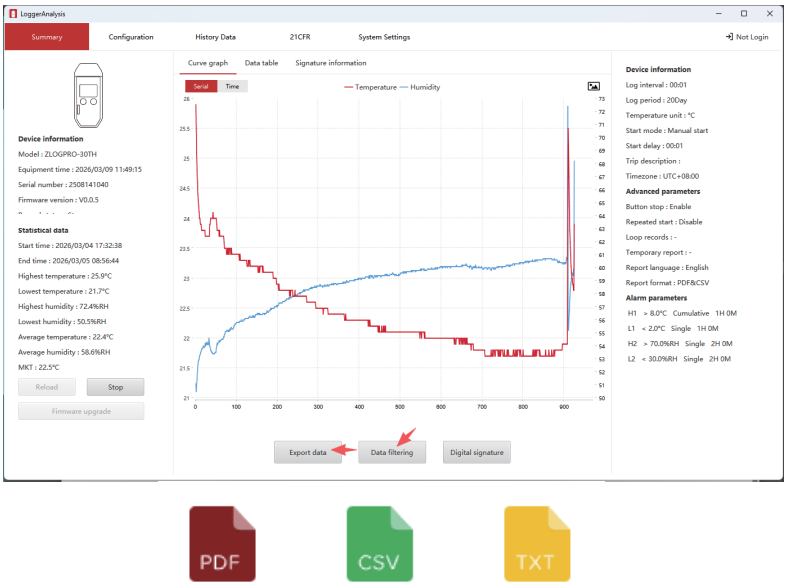
- Export Configuration: Allows you to export the configuration file with currently configured parameters.
Load Configuration: Allows you to open exported and saved configuration files for convenient and quick configuration.



- The overview page displays current device information and statistical parameters, currently recorded data curves, and the device's current configuration parameters.



- Data Filtering: Select a time period for data export.
- Export Report: Export data reports as PDF, CSV, or TXT documents.



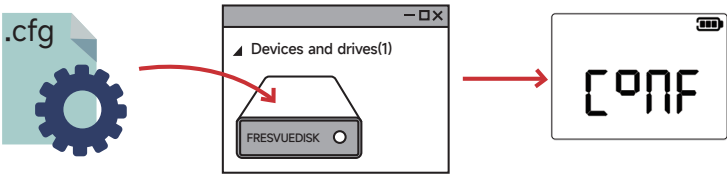
5.Operating Instructions

Configuration Parameters

Connect the ZLOGPRO series data logger to the computer USB port, the computer desktop will display a FRESVUEDISK icon. Type www.fresvuelogger.com in your web browser to open the online configuration site, then select the product model currently in use, then enter the required configuration parameters and click Download CFG File,then the browserwill download a configuration file with a .cfg suffix.

Copy the configuration file (.cfg) to the FRESVUEDISK,if the configuration is successful, the display will show ConF, if other information is displayed, it may be an error in the confi guration file, specifically refer to the error code analysis.

NOTE: Do not disconnect the product from the computer until ConF is displayed on the top of the product's LCD screen!



Error codes (in case of misconfiguration, an error code will be displayed on the product LCD screen)



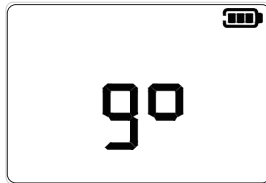
Error Code	Code meaning	How to do
E001	CFG File error	Copy the correct CFG file
E002	Model error	Confirmation of model
E003	Firmware version error	Confirmation of firmware version
E004	Parameters error	Confirmation of parameter
E005	Low battery	Replace the battery
E006	Autostart time error	Confirm that the time is correct

LCD prompt after configuration



Manual start:

LCD display this character is waiting for manual start state, at this time you need to long press the START button for 3 seconds in order to start the record, long press the START button process, the screen will flash the character of go.

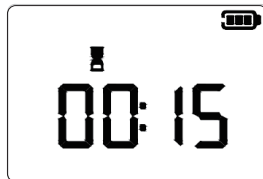


Timed start:

The LCD displays this character as a wait to automatically start the logger when the set start time is reached.

Start-up delay:

If the logger is configured with a startup delay, then after startup, the LCD will display the countdown time, as exemplified below (15m means 15 minutes of countdown time)



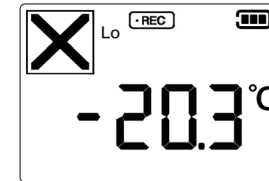
Note: In the startup delay, days are d, hours are h, minutes are m



2、Activation record

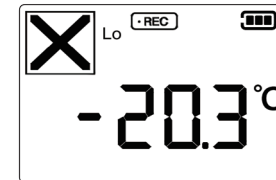
When the recorder formally enters the recording state, the LCD will display the

 icon as follows:



3、Overlimit Alarm

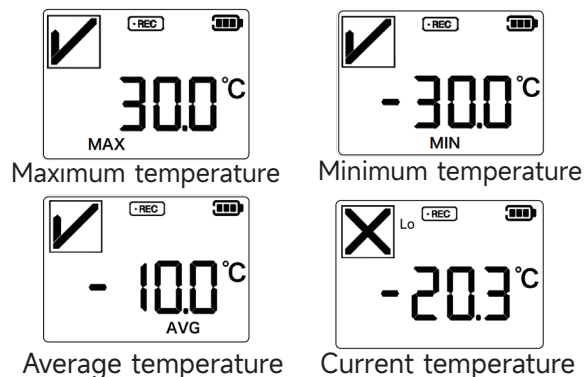
If the temperature exceeds the alarm threshold during the recording process, an × alarm icon and Hi (high temperature alarm) and Lo (low temperature alarm) will be displayed, as shown below:



Note: When the recorder issues an alarm, the alarm will remain even if the ambient temperature returns to its original range.

4、View Recorded Data

To view the currently recorded statistics during recording, tap the VIEW button to toggle the statistics, which are displayed as follows:



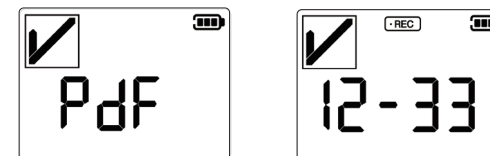
5、Stop Recording

If the stop button is not prohibited, the recording can be stopped by long-pressing the STOP button, long-pressing the button for 3 seconds displays "Stop" and blinks, and after 3 seconds "Stop" is displayed, the button can be released, and the device is in the state of stopping operation at this time. The display is as follows:

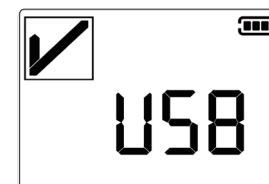


6、Download Recorded Reports

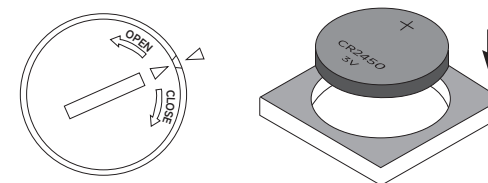
When the recorder is plugged into the computer's USB port, it displays "PdF" to indicate that PDF generation has begun. The following display shows AA-BB, where AA represents the number of pages already generated and BB represents the total number of pages to be generated.



Once the report is generated, to the point where the screen displays USB, the report can be read, at which point a FRESVUEDISK removable disk icon will be displayed on the computer desktop.



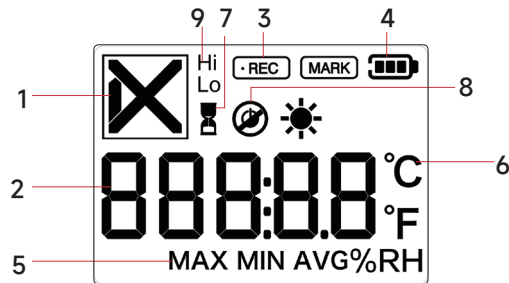
7、Battery Replacement



- As shown in the picture, insert the coin into the groove on the battery cover, and open the battery cover counterclockwise in the OPEN direction to remove the old battery.
- Briefly press the START button until the LCD screen is completely off. If the screen is not off, the battery charge cannot be calibrated.
- Insert the new CR2450 battery into the device's battery compartment with the positive terminal facing up.
- Close the battery cover and turn it clockwise in the CLOSE direction until the arrow aligns.

8、LCD Screen

Full screen display



- 1 - Alarm Status
- 2 - Temperature Value, System Information
- 3 - Recording Status
- 4 - Power Indicator
- 5 - Statistics: Maximum Temperature, Minimum Temperature, Average Temperature
- 6 - Temperature Unit: °C/F
- 7 - Startup Delay Marker
- 8 - Disable Button Stop Function
- 9 - Alarm Range: Exceeding High Temperature Alarm (Hi), Exceeding Low Temperature Alarm (Lo)

6.FAQ – Frequently Asked Questions

Q: How can I restart the ZLOGPRO-30XT?

A: This device is a reusable data logger. Once recording has stopped, it can be restarted by reconfiguring the settings. Users can access and export recorded data at any time via a USB connection. Once the data has been retrieved, the device can be reset and put back into service.

Q: The data logger was accidentally stopped, what can be done?

A: Press and hold the START and STOP buttons simultaneously until the red and green LEDs flash alternately. Then connect the device to a computer to download the complete data report.

Q: The expiry date is very near; when exactly is it due and can the data logger be used?

A: The printed expiry date starts the first day of the shown month and year; a start shortly before the EXP is due does not prolong the shelf life or the guaranteed functionality.

Q: I need the calibration certificate of this data logger, where can I receive it?

A: as batch-calibrated device each data logger comes with a permanently stored validation certificate in PDF for mat, which informs about the calibration process during the production.

