

USER MANUAL

LogEt 1/LogEt 1 Bio/LogEt 1 TH

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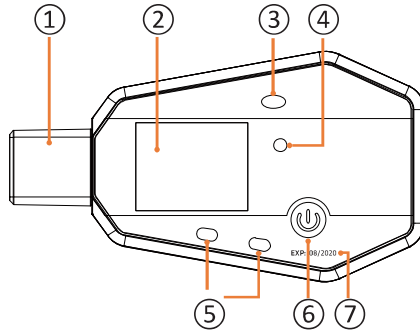
Elitech[®]

Innovation Preceding All

Overview

LogEt 1 series are single-use data loggers, where LogEt 1 is a temperature logger, LogEt 1TH is a temperature-humidity logger, LogEt 1 Bio is a high accuracy temperature logger.

This series can be used to record 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.



① USB Port

② LCD Screen

③ Temperature-humidity Sensor *

④ Light Sensor

⑤ LED Indicators

⑥ Button

⑦ Shelf Life

**Humidity for LogEt 1 TH only.*

Specifications

Model	LogEt 1 Temperature	LogEt 1 Bio High Accuracy Temperature	LogEt 1 TH Temperature & Humidity
Temperature Measurement Range	-30°C~-70°C (-22°F~158°F)*		
Temperature Accuracy	±0.5°C/±0.9°F (-20°C~+40°C) ±1°C/±1.8°F (others)	±0.3°C (-30°C~+70°C) / (-22°F~158°F)	±0.5°C/±0.9°F (-20°C~+40°C) ±1.0°C/±1.8°F (others)
Humidity Measurement Range			0%RH~100%RH
Humidity Accuracy			±3%RH (25°C, 20%RH~80%RH) ±5%RH (others)
Resolution	0.1°C/°F	0.1°C/°F	0.1°C/°F; 0, 1%RH
Memory	Maximum 16,000 points		
Logging Interval	10 seconds to 12 hours		
Data Interface	USB		
Start Mode	Press button; Use software		
Stop Mode	Press button; Auto-stop; Use software		
Software	1. ElitechLog for macOS & Windows system 2. Online webpage configuration: www.loget.i-elitech.com		
Report Format	1. Auto PDF report 2. PDF/EXCEL/TXT** via ElitechLog software		
Battery	CR2450 button cell		
Shelf Life	2 years		
Certification	EN12830, CE, RoHS		
Protection Level	IP67	IP67	
Dimensions	97 x 53 x 8 mm		
Weight	65g		

* At ultralow temperature, the LCD is slow but does not affect normal logging. It will be back to normal after the temperature rises.


** TXT for Windows ONLY

Operation

1. 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.

2. Configure Parameters



First, connect the data logger to your computer via USB cable, wait until  shows on the LCD; then configure via:

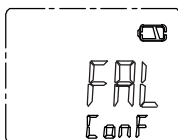
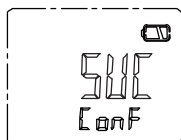
(1) ElitechLog Software:

- 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.

(2) Online Webpage:

Open www.loget.i-elitech.com, select the corresponding LogEt model, and enter the parameters. Download the configuration file (.ncfg format) and save it to the removable storage device **ElitechLog** to complete the configuration.

When  shows on the LCD, indicating the configuration success; If it shows , indicating configuration fails, please remove the logger from the computer and try again.

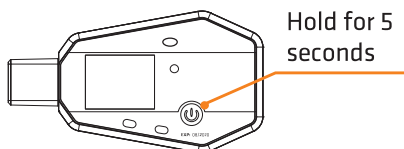


Warning! For first time user or after battery replacement:

To avoid time or time zone errors, please make sure you click **Quick Reset** or **Save Parameter** on ElitechLog Software before usage to sync and configure your local time into the logger.

Note: Please be aware, online configuration may not synchronize system time to the logger.

3. Start Logging



Press Button:

Press and hold the button for 5 seconds until the Delay / Rec. icon shows on the LCD, indicating the logger starts logging.

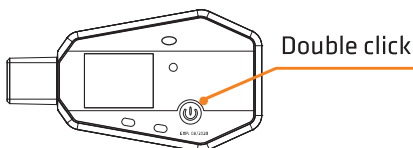
Auto Start:

Immediate Start: The logger starts logging after remove it from the computer.

Timed Start: The logger starts counting after being removed from the computer; it will start logging automatically after the set date/time.

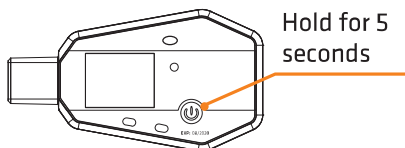
Note: Delay means the logger configured with start delay; it will start logging after the set delay time elapses.

4. Mark Events



Double click the button to mark current temperature and time, up to 10 groups of data. After the data is marked, the LCD screen will display MARK , Log X and SUC (X: current marked numbers).

5. Stop Logging



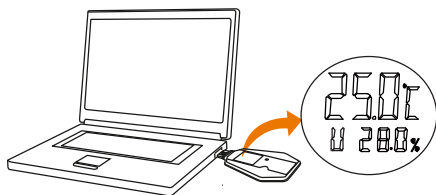
Press Button*: Press and hold the button for 5 seconds until the ■ icon shows on the LCD, indicating the logger stops logging.

Auto Stop: When the logging points reach the maximum memory, the logger will stop automatically.

Use Software: Open ElitechLog 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.*

6. Download Data



Connect the data logger to the computer via USB cable, and wait until ■ shows on the LCD screen, then download data via:

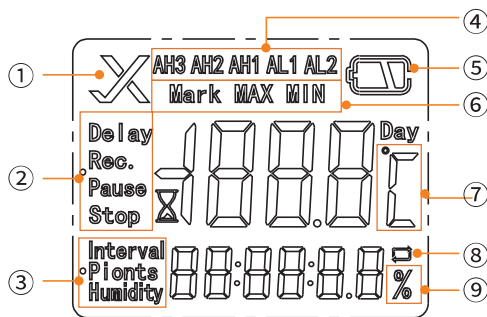
- **ElitechLog Software:** After the logger auto-upload its data to the ElitechLog software, click **Export** and select your preferred file format to export. If data failed to auto-upload, please manually click **Download** and then repeat above operation.
- **Without ElitechLog Software:** Simply find and open the removable storage device **ElitechLog**, save the auto generated PDF report to your computer for viewing.

Status Indication

1. Buttons

Operation	Function
Press and hold for 5 seconds	Start/stop logging
Press and release the button	Check/switch interfaces
Double click the button	Mark events

2. LCD Screen



① Alarm Status

② Operating Status

③ Logging Interval / Logging Points

④ Alarm Zone

⑤ Battery Level

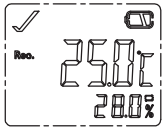
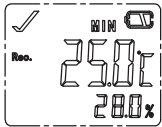

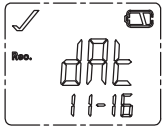
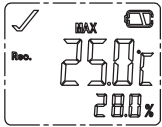
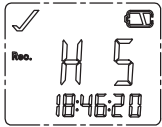
⑥ Mark, Maximum/Minimum Value

⑦ Temperature (°C/°F)

⑧ Circular Logging

⑨ Humidity/Downloading

3. LCD Interface

Temperature and Humidity		Minimum	
Logging Points		Current Date (dAt): Month-Day	
Maximum		Current Time (H S): hour:minute:second	

Note: Only LogEt 1TH displays humidity-related interfaces.








4. LCD-LED Indication

LCD Display	LED flashes	Meaning...
<div>Delay / Rec.</div>	<div>5 times</div>	Started
<div>Stop</div>	<div>5 times</div>	Stopped
<div>Mark Suc</div>	<div>3 times</div>	Mark success
<div>Mark FAL</div>	<div>3 times</div>	Mark failure
<div>√</div>	<div>once every 10 seconds</div>	Logging normally
<div>×</div>	<div>once every 10 seconds</div>	Over-limit alarm

What's Included

- Data Logger x 1
- User Manual x 1
- Calibration Certificate x 1

Warning

-  Please store your logger at room temperature.
-  If you use the logger for the first time, please use ElitechLog software to synchronize system time and configure parameters.
-  The parameters can be configured via ElitechLog software or webpage before the logger is started, and cannot be changed after started.
-  The LCD screen will be auto off after 15 seconds of inactivity (by default). Press the button again to turn on the screen.
-  To ensure the humidity accuracy of LogEt 1TH, please avoid contact with unstable chemical solvents or compounds, especially avoid long-term storage or exposure to the environments with high concentrations of ketene, acetone, ethanol, isopropanol, toluene, etc.
-  Do not use the logger for long-distance transport if the battery icon is less than half as  .