



Elitech Tlog 10E External Temperature Data Logger User Manual

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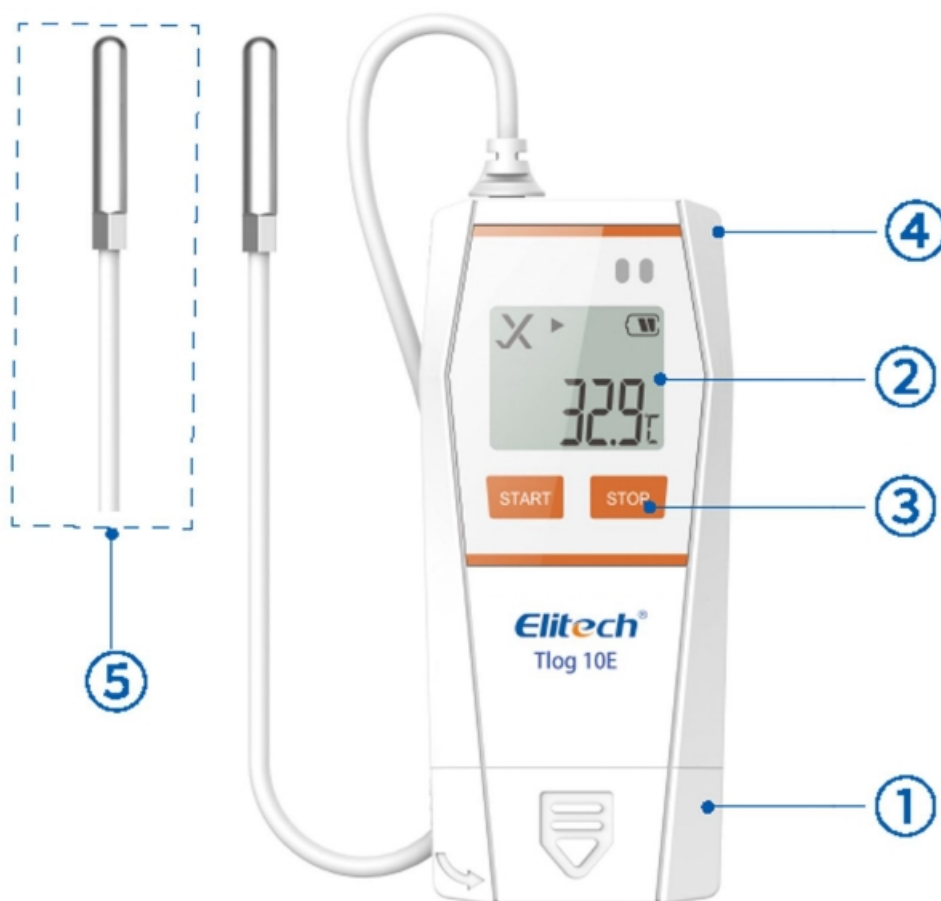


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Overview

Tlog 10 series data loggers can be widely used in each stage of the storage and cold chain logistics, such as refrigerated containers/ trucks, cooler bags, cooling cabinets, medical cabinets, freezers, and laboratories. The loggers feature an LCD screen and two buttons design. They support various start and stop modes, multiple threshold settings, two storage modes (stop when full & cyclic record) and PDF report automatically generated for users to check data without using software.



- 1. USB Port
- 2. LCD Screen
- 3. Button
- 4. Internal Sensor
- 5. External Sensor

Model Selection

Model	Tlog 10	Tlog 10E	Tlog 10H	Tlog 10 EH
Type	Internal Temperature	External Temperature	Internal Temperature and Humidity	External Temperature and Humidity
Measurement Range	-30°C~70°C -22°F ~ 158°F	-40°F ~ 185 °F -40°F ~ 185 °F	-30°C ~70°C -22°F ~ 158°F 0%RH ~ 100%RH	-40°C ~ 85°C -40°F ~185°F
Sensor	Digital Temperature Sensor		Digital Temperature and Humidity Sensor	
Accuracy	Temperature: +0.5°C (-20°C ~ 40°C); +0.9°F (-4°F ~ 104°F) 1.0°C (-50°C ~ 85°C); +1.8°F (-58°F ~ 185 °F) +3%RH (25°C: 20%RH ~ 80%RH), +S%RH (others)			

Specifications

- **Resolution:** Temperature: 0.1°C/0.1°F; Humidity: 0.1%RH
- **Memory:** 32,000 points (MAX)
- **Logging Interval:** 10 seconds ~ 24 hours
- **Start Mode:** Press button or use software
- **Stop Mode:** Press button, use software, or auto stop
- **Alarm Threshold:** Configurable;
 - Temperature: up to 3 high limits and 2 low limits;
 - Humidity: 1 high limit and 1 low limit
- **Alarm Type:** Single, cumulative
- **Alarm Delay:** 10 seconds ~ 24 hours
- **Data Interface:** USB port
- **Report Type:** PDF data report
- **Battery:** 3.0V disposable lithium battery CR2450
2 years for storage and use (25°C:10 minutes)
- **Battery Life:** logging interval and can last 180 days)
- **Protection Level:** IP65
- **External probe length:** 1.2m
- **Dimensions:** 97mmx43mmx12.5mm (LxWxH)

Operation

Install Software

Please download and install the free ElitechLog software (macOS and Windows) from www.elitechlog.com/software.

Configure Parameters

First connect the data logger to the computer USB port, wait until the USB 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.

Start Logging


Press Button:

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

Auto Start:

Immediate Start: The logger starts logging after plugged out from the computer.


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

Note: If the  icon keeps flashing, it means the logger configured

Mark Events

Double click the left button to mark current temperature and time, up to 10 groups. After events marked, the LCD will display **(Mark)**, Currently marked groups and **(SUC)**,

Stop Logging

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

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

Use Software: Open ElitechLog software, click Summary menu, and

Stop Logging button.

Note: *Stop via Press Button is the default. If set as disabled, this function will be invalid, please open ElitechLog software and click Stop Logging button to step it.

**The Auto Stop function will be disabled automatically if you enabled the Circular Logging.

Download Data

Connect the data logger to your computer USB port, wait until the USB icon shows on the LCD, then download data:

Without ElitechLog Software: Simply find and open the removable storage device ElitechLog, save the auto generated PDF report to your computer for viewing.

With 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.

Re-use the Logger

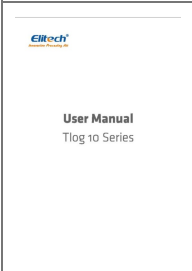
To reuse a logger, please stopped it first. Then connect it to your computer and use ElitechLog software to save or export the data.
Next, reconfigure the logger by repeating the operations in 2.
Configure Parameters*. After finished, follow 3. Start Logging to restart the logger for new logging.

Re-use 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 2.
Configure Parameters*. After finished, follow 3. Start Logging to restart the logger for new logging.

Warning! * To make space for new loggings, all 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.

Documents / Resources

	<p>Elitech Tlog 10E External Temperature Data Logger [pdf] User Manual Tlog 10, Tlog 10E, Tlog 10H, Tlog 10EH, External Temperature Data Logger, Tlog 10E External Temperature Data Logger</p>
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