



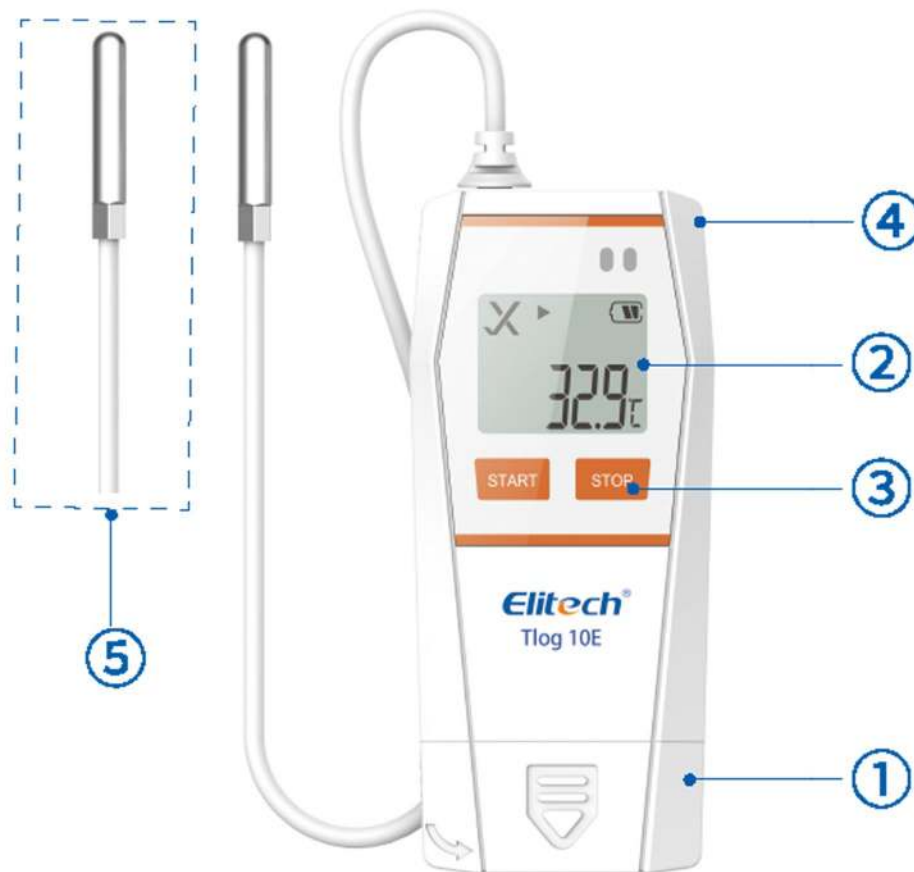
User Manual

Tlog 10 Series

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

④ Internal Sensor

② LCD Screen

⑤ External Sensor

③ Button

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°C ~ 85°C -40°F ~ 185°F | -30°C ~ 70°C -22°F ~ 158°F 0%RH ~ 100%RH | -40°C ~ 85°C -40°F ~ 185°F 0%RH ~ 100%RH |
| Sensor | Digital Temperature Sensor | | Digital Temperature and Humidity Sensor | |
| Accuracy | Temperature: $\pm 0.5^{\circ}\text{C}$ (-20°C ~ 40°C); $\pm 0.9^{\circ}\text{F}$ (-4°F ~ 104°F) $\pm 1.0^{\circ}\text{C}$ (-50°C ~ 85°C); $\pm 1.8^{\circ}\text{F}$ (-58°F ~ 185°F) Humidity: $\pm 3\%RH$ (25°C: 20%RH ~ 80%RH), $\pm 5\%RH$ (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

Battery Life: 2 years for storage and use (25°C:10 minutes logging interval and can last 180 days)

Protection Level: IP65

External probe length: 1.2m

Dimensions: 97mmx43mmx12.5mm (LxWxH)

Operation

1. Install Software

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

2. 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.*

3. 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 with start delay; it will start logging after the set delay time elapses.*

4. 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**.

5. 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 stop it.*

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

6. 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.

7. 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.*

