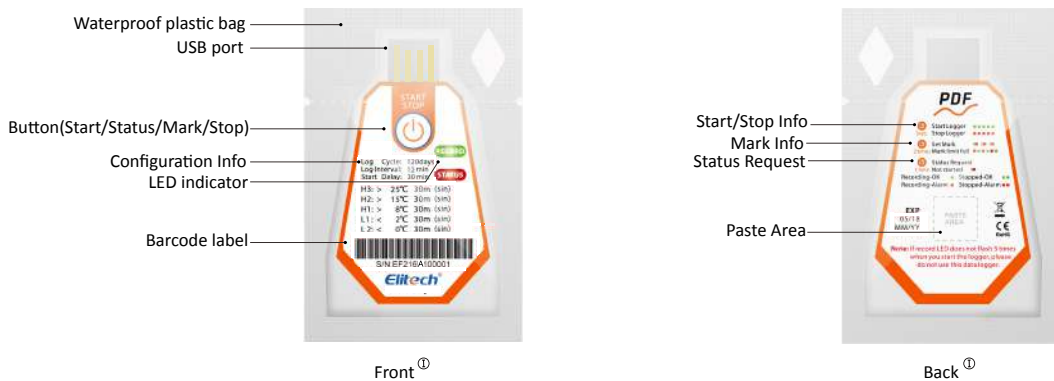


## Overview

The temperature data logger is mainly used for monitoring and logging temperature in storage and shipment of food and pharmaceuticals, such as cooler boxes, refrigerated trucks, containers, etc.  
 The logger can connect to a computer via its USB port and export a PDF report. It features an internal sensor and a CR2450 lithium battery with whole protection grade up to IP67. A barcode is prepared for scanning.

## Illustration



① Note: The picture is for reference only. Any discrepancy in future, please adhere to the final product.

## Technical Parameters

All the parameters are preconfigured before the logger leaves the factory. Some can be customized based on your needs.

<b>Temperature measuring range:</b> -30 C~70 C Resolution: 0.1 C	<b>Memory capacity:</b> 16000 points (MAX)
<b>Alarm threshold:</b> default (customizable)	<b>Battery life:</b> 2 years (stored and used under normal temperature environment)
<b>Storage temperature:</b> -30 C~70 C ①	<b>Log cycle:</b> 6, 15, 30, 60, 90, 120, 180days (customizable)
<b>Data interface:</b> USB2.0	<b>Protection grade:</b> IP67
<b>Temperature accuracy:</b> 0.5 C/0.9 F (-20 C~40 C); 1 C/1.8 F (others)	<b>Size:</b> 80mm (L) x 48mm (W) x 5.8mm (H)
<b>Report type:</b> PDF format	<b>Alarm type:</b> single or cumulative
<b>Sensor type:</b> internal NTC ①	<b>Weight:</b> approx. 15g
<b>Battery:</b> built-in CR2450 wide temperature lithium battery	

① Note: It is suggested storing the logger at room temperature before started.

## Parameter Instructions

**Memory capacity:** 16000 points at maximum. Actual record capacity may be different due to different log cycles.  
**Start delay:** When the logger is started, it delays for a period of time to start logging. The delay time can be customized.  
**Alarm thresholds:** Alarm zone can be set according to the alarm thresholds. The logger supports three upper limit and two lower limit.

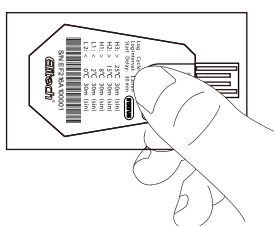
H3	The range of value greater than H3 is the super high temperature alarm zone 3
H2	The range of value greater than H2 is the super high temperature alarm zone 2
H1	The range of value greater than H1 is the super high temperature alarm zone 1
L1	The range of value less than L1 is the super low temperature alarm zone 1
L2	The range of value less than L2 is the super low temperature alarm zone 2

**Alarm type:**

<b>Single</b>	The logger records the single time for continuous out-of-limit events
<b>Cumulative</b>	The data logger records the cumulative time of all the out-of-limit events

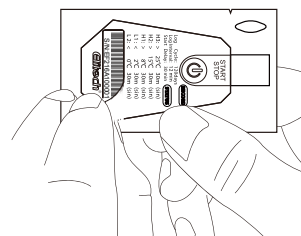
**Alarm delay:** The logger does not alarm immediately when the temperature is within the alarm zone. It begins to alarm only when the alarm delay time elapses.

## Operating Instructions

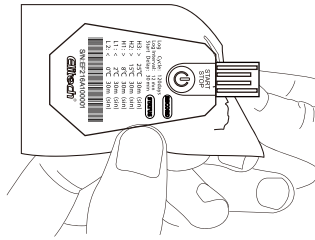


Press and hold the button for 5 seconds to start logging. Green LED will flash 5 times.

2

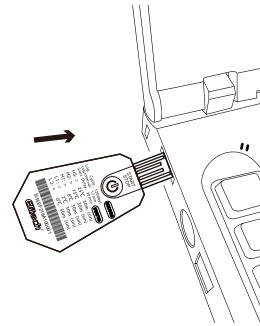


Peel off the barcode label for further use.



3

Press and hold the button for 5 seconds to stop logging. Red LED will flash 5 times. Tear the bag open and let USB port uncovered.



4

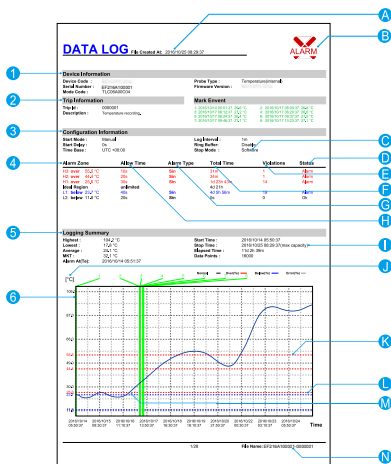
Insert the logger into a computer's USB port to view the PDF report.

## Status Indication

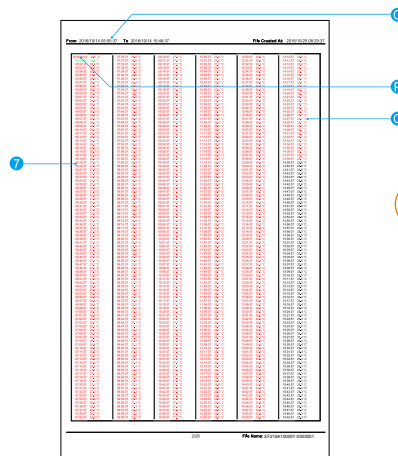
Press and release the button to judge the logger's working status through the flash of the red or green LED indicator.

Status	Action of the indicators
Not started	Red and green LEDs flash once simultaneously.
Start delay	Red and green LEDs flash once alternatively.
Started-normal	Green LED flashes once (It flashes once 10 seconds automatically).
Started-alarm	Red LED flashes once (It flashes once 10 seconds automatically).
Started-mark	Red and green LEDs flash 3 times simultaneously.
Started-out of mark limits	Red and green LEDs flash 3 times simultaneously.
Stopped-normal	Green LED flashes 2 times.
Stopped-alarm	Red LED flashes 2 times.

## Report



The first page



Other pages

Note:  
The data above is only used as an example of the report. Please refer to the actual document for specific configuration and information.

1.Basic information	A.Document creation time(record stop time)	I.Vertical coordinate unit of the data graph
2.Description of the usage (customizable)	B.Alarm(Alarm status as shown in the figure)	K.Alarm threshold line (corresponding to the item L)
3.Configuration information	C.The set stop mode	L.Alarm threshold
4.Alarm threshold and related statistics	D.Alarm status of the alarm zone	M.Data curve
5.Statistical information	E.Total times of exceeding alarm thresholds	Note: Red indicates ultra-high temperature; blue indicates ultra-low temperature; black indicates others.
6.Temperature data curve	F.Total time of exceeding alarm thresholds	N. Document name (serial number & description of usage ID)
7.Temperature data details	G.Alarm delay and alarm type	O. Record time range in the current page
	H.Alarm thresholds and alarm zones	P. Records when date changes (date & temperature)
	I.Stop time (actual stop mode)	Q Records when the date does not change (time & temperature)