

## Product Overview

The data logger is mainly used to record the temperature of food in storage and transportation. It helps accurately monitor the whole process to indicate whether food is safe and fresh.

## Structure Description

- 1 USB Port
- 2 LCD Screen
- 3 Configuration Info Label
- 4 Buttons
- 5 Sensor
- 6 Barcode Label



## Technical Parameters

Recording Options	Single-Use	Certifications	EN12830, CE, RoHS
Temperature Range	-30°C to 70°C	Validation Certificate	Hardcopy
Temperature Accuracy	±0.5(-20°C/+40°C);±1.0(other range)	Software	PDF /ElitechLog Win or Mac (latest version)
Temperature Resolution	0.1°C	Report Generation	Automatic PDF report
Data Storage Capacity	16,000 readings	Password Protection	Optional on request
Shelf Life/Battery	2 years <sup>1</sup> /ER14250 3.6V lithium battery	Connection Interface	USB 2.0, A-Type
Recording Interval	10 minutes(standard, others on request)	Alarm Configuration	Optional, up to 5 points
Recording Duration	up to 110 days <sup>2</sup> (standard, others on request)	Reprogrammable	With free Elitech Win or MAC software
Startup Mode	Button or software	Dimensions	100mmx46mmx19mm(LxWxH)
Stop Mode	Button, software or stop when full	Weight	60g
Protection Class	IP67		

1. Depending on optimal storage conditions(±15°C to +23°C/45% to 75% rH)

2. Depending on application temperature(very low/ high temperatures may shorten it)

## Parameter Instruction

Users can reconfigure parameters via the data management software. The reconfiguration will clear the original parameters and data

Alarm threshold	The logger supports three upper limits and two lower limits	
Alarm zone	The range that is out of alarm thresholds	
Alarm type	Single	The logger records the single time for continuous out-of-limit events
	Cumulative	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	
MKT	Mean kinetic temperature is an evaluation method that indicates the effect of temperature fluctuation on stored articles	

## Operating Instructions

Action	Operation
Start the data logger	Press and hold the start button for about 5 seconds
Stop the data logger	Press and hold the stop button for about 5 seconds
Show status	Press and release the start button
Set Mark	Press and hold the start button for about 5 seconds

**View data** After the data logger is plugged into a computer USB port, a PDF data report will be created automatically. The LCD screen will display report generation progress. When created, the report can be viewed. The creation will not last for more than 4 minutes.

## Description of the menus

Menu	Description	Example	Menu	Description	Example
1	Timing start		9	Upper limit 3	
	Delayed start		10	Upper limit 2	
2	Not started		11	Upper limit 1	
3	Start status		12	Lower limit 1	
4	Readings		13	Lower limit 2	
5	Max temperature		14	Current time	
6	Min temperature		15	Sensor fault	
7	MKT value		16	PDF creation progress	
8	Average temperature				

## Description of the combined indicators and other status

Display	Description	Display	Description
(group)	No alarm		Mark
(group)	Alarmed		Data clear
(group)	Min		USB communicating
(group)	Max		

# Report

DATA LOG

File Created At: 2017/02/06 13:06:42

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**1 Device Information**

Device Code : LogE1 6  
 Serial Number : EF316C100044  
 Mode Code : N/A

**Probe Type :** Temperature(internal)  
**Firmware Version :** V1.1

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**2 Trip Information**

Trip Id : 0000001  
 Description : LogE1 6

**Mark Event**

N/A

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**3 Configuration Information**

Start Mode : Manual  
 Start Delay : 0s  
 Time Base : UTC +08:00

Log Interval : 10s  
 Ring Buffer: Disable  
 Stop Mode : Manual + Software

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Alarm_Zone	Allow Time	Alarm Type	Total Time	Violations	Status
H3:					
H1: over 8.0 °C	0s	Sin	2h 4m 10s	1	Alarm
Ideal Region	unlimited		0s		
L1: below 2.0 °C	0s	Sin	0s	0	Ok
L2:					

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**5 Logging Summary**

Highest : 23.4 °C  
 Lowest : 19.6 °C  
 Average : 20.9 °C  
 MKT : 20.9 °C  
 Alarm At(Te): 2017/02/06 11:02:18

Start Time : 2017/02/06 11:02:18  
 Stop Time : 2017/02/06 13:06:28(temporary)  
 Elapsed Time : 2h 4m 10s  
 Data Points : 746

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Normal — Over(Te) — Below(Te) — Error(Te) —

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