

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	Multi-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/1ER14250 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
Startup Mode	Button or software	Reprogrammable	With free Elitech Win or MAC software
Stop Mode	Button, software or stop when full	Dimensions	100mmx46mmx19mm(LxWxH)
Protection Class	IP67	Weight	60g
			1. Depending on optimal storage conditions(±15°C to +23°C/45% to 75% rH)

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 02:17:21

1 Device Information
 Device Code : LogET 8 Food
 Serial Number : EF416C100008
 Mode Code : N/A

2 Trip Information
 Trip Id : 0000001
 Description : LogET 8 food

3 Configuration Information
 Start Mode : Manual
 Start Delay : 0s
 Time Base : UTC +00:00

4 Alarm Zone
 H3: H1: over 8.0 °C
 Ideal Region L1: below 2.0 °C
 L2:

5 Logging Summary
 Highest : 26.4 °C
 Lowest : 12.8 °C
 Average : 22.2 °C
 MKT : 22.5 °C
 Alarm At(Te) : 2017/01/24 02:07:18

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

Mark Event
 N/A

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

Alarm_Zone	Allow Time	Alarm Type	Total Time	Violations	Status
H3:	0s	Sin	1d 20h 25m	1	Alarm
L1:	unlimited	Sin	0s	0	Ok
L2:	0s	Sin	0s	0	Ok

7 Temperature and humidity data details

6 Temperature and humidity graph

8 File Name : EF416C100008-4000001

From 2017/02/06 11:02:16 To 2017/02/06 12:42:08 File Created At: 2017/02/06 13:06:42

11:02:28 19.8 °C	11:02:38 20.1 °C	11:02:48 20.5 °C	11:02:58 21.1 °C	11:03:08 21.4 °C	11:03:18 21.7 °C
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Other pages

1 Basic information	B Alarm (Alarm status as shown in the figure above)	J Actual stop mode (different from the item C)
2 Description of the usage	C Mark Event	K Vertical coordinate unit of the data graph
3 Configuration information	D Stop mode that has been set.	L Record data curve
4 Alarm threshold and related statistics	E Alarm status of the temperature alarm zone	M Alarm threshold
5 Statistical information	F Total times of exceeding the temperature alarm threshold	N Document name (serial number & description of usage ID)
6 Temperature and humidity graph	G Total time of exceeding the temperature alarm threshold	O Record time range in the current page
7 Temperature and humidity data details	H Alarm delay and alarm type	P Records when date changes (date & temperature)
A Document creation time (record stop time)	I Alarm threshold and temperature alarm zones	Q Records when the date is not changed (time & temperature)

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

The first page

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V2.0