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℃ to 70℃	Validation Certificate	Hardcopy
Temperature Accuracy	±0.5(-20℃/+40℃);±1.0(other range)	Software	PDF /ElitechLog Win or Mac (latest version)
Temperature Resolution	0.1℃		
Data Storage Capacity	16,000 readings	Report Generation	Automatic PDF report
Shelf Life/Battery	2 years[1]/ER14250 3.6V lithium battery	Password Protection	Optional on request
Recording Interval	10 minutes(standard, others on request)	Connection Interface	USB 2.0, A-Type
Recording Duration	up to 110 days[2](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	Demensions	100mmx46mmx19mm(LxWxH)
Protection Class	IP67	Weight	60g

1.Depending on optimal storage conditions(±15℃ to +23℃/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
1	Timing start	28
	Delayed start	28
2	Not started	28
3	Start status	308
4	Readings	16000
5	Max temperature	588
6	Min temperature	28
7	MKT value	80
8	Average temperature	80

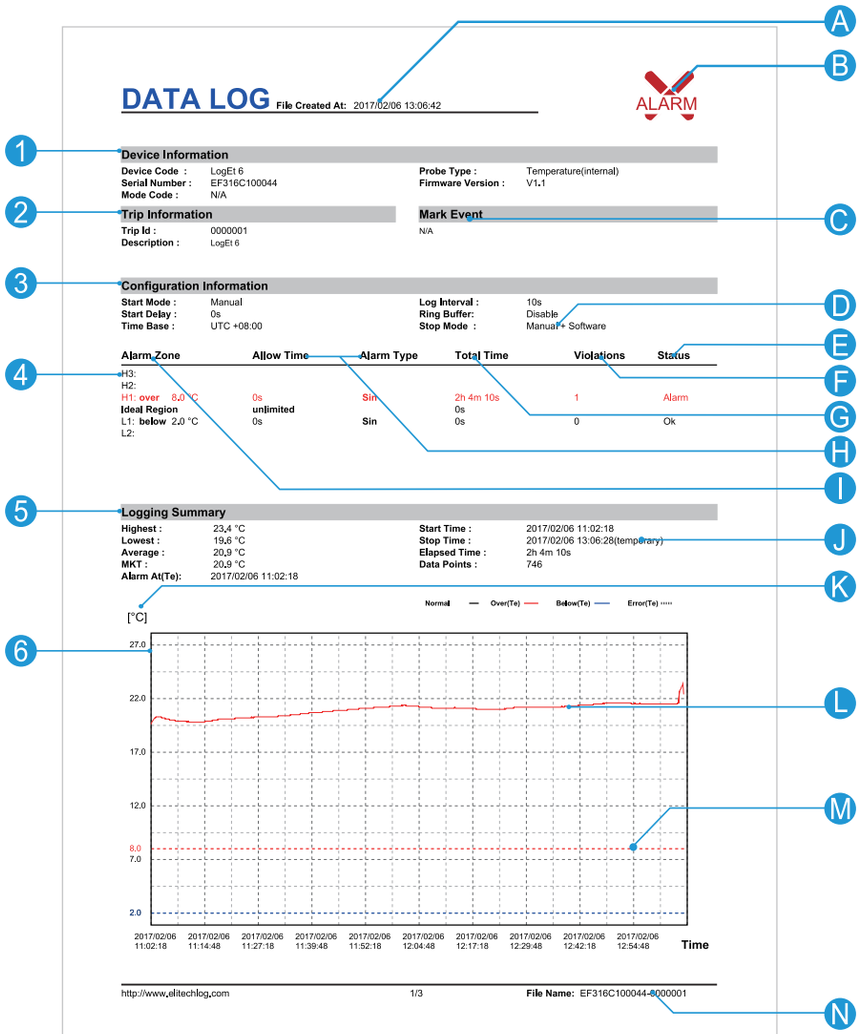
Menu	Description	Example
9	Upper limit 3	600
10	Upper limit 2	500
11	Upper limit 1	400
12	Lower limit 1	10
13	Lower limit 2	-20
14	Current time	170220 105028
15	Sensor fault	Err1
16	PDF creation progress	PdF 88

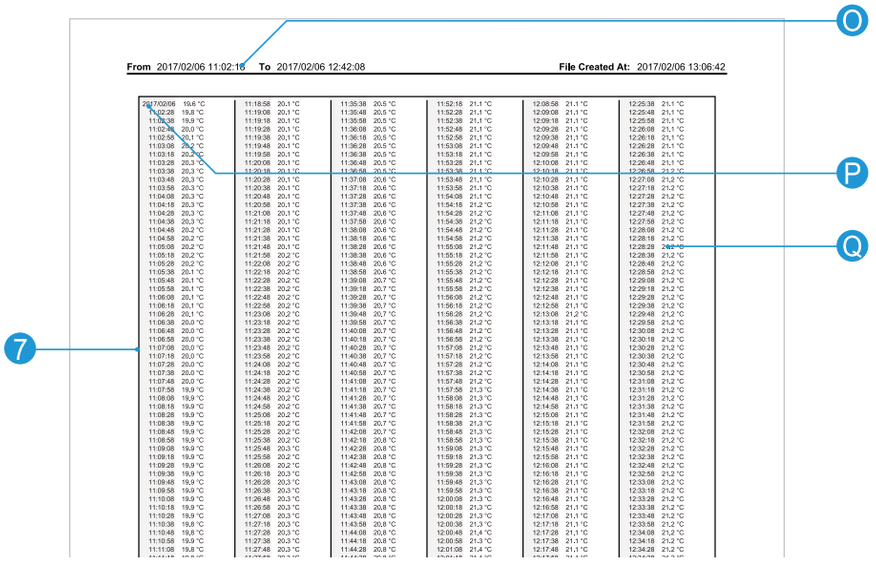
Description of the combined indicators and other status

Display	Description
(group)[3]	No alarm
(group)	Alarmed
(group)	Min
(group)	Max

Display	Description
	Mark
------	Data clear
USb	USB communicating

Report





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 grap
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.

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