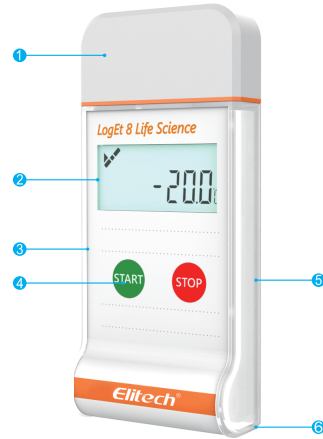


Product Overview

The data logger is mainly used for temperature recording in life science field, safe and precise monitoring for the whole shipment, which is the escort for the development of life science.

Structure Description

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



Technical Parameters

Temperature measuring range	-30°C ~ +70°C	Alarm type	single/cumulative
Resolution	0.1°C	Data interface	USB port
Temperature accuracy	±0.3°C	Report type	PDF format
Sensor type	internal NTC thermistor	Battery	single-use 3.6V lithium battery
Memory capacity	16000 readings (MAX)	Battery life	2 years (stored and used under normal temperature environment)
Log interval	10 sec ~24 hr	Protection grade	IP65
Alarm threshold	default (customizable)		

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 12:58:53

ALARM

1 Device Information

Device Code : LogEt 8 Life Science
 Serial Number : EM216C100047
 Mode Code : N/A

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

2 Trip Information

Trip Id : 0000001
 Description : LogEt 8 life science

3 Configuration Information

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

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

4 Alarm Zone

Alarm Zone	Allow Time	Alarm Type	Total Time	Violations	Status
H3:					
H2:					
H1: over 8.0 °C	0s unlimited	Sin	1h 57m 50s	1	Alarm
Ideal Region					
L1: below 2.0 °C	0s	Sin	0s	0	Ok
L2:					

5 Logging Summary

Highest : 21.7 °C
 Lowest : 19.5 °C
 Average : 20.8 °C
 MKT : 20.8 °C
 Alarm At(Te): 2017/02/06 11:00:57

Start Time : 2017/02/06 11:00:57
 Stop Time : 2017/02/06 12:58:47(temporary)
 Elapsed Time : 1h 57m 50s
 Data Points : 708

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Time

http://www.e-elitech.com 1/3 File Name: EM216C100047-0000001

A

B

C

D

E

F

G

H

I

J

K

L

M

N

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

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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 gap
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	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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