

## 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

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

<b>Alarm threshold</b>	The logger supports three upper limits and two lower limits	
<b>Alarm zone</b>	The range that is out of alarm thresholds	
<b>Alarm type</b>	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.
<b>Alarm delay</b>	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	
<b>MKT</b>	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

X  
ALARM

**1 Device Information**

Device Code : LogET 6      Probe Type : Temperature(internal)  
 Serial Number : EF316C100044      Firmware Version : V1.1  
 Mode Code : N/A

**2 Trip Information**      **Mark Event**

Trip ID : 0000001      N/A  
 Description : LogET 6

**3 Configuration Information**

Start Mode : Manual      Log Interval : 10s  
 Start Delay : 0s      Ring Buffer : Disable  
 Time Base : UTC +08:00      Stop Mode : Manual+ Software

Alarm_Zone	Allow Time	Alarm Type	Total Time	Violations	Status
H2:					
H1: over 8.0 °C	0s	Sin	2h 4m 10s	1	Alarm
Ideal Region	unlimited				
L1: below 2.0 °C	0s	Sin	0s	0	Ok
L2:					

**5 Logging Summary**

Highest : 23.4 °C      Start Time : 2017/02/06 11:02:18  
 Lowest : 18.6 °C      Stop Time : 2017/02/06 13:06:28 (temporary)  
 Average : 20.9 °C      Elapsed Time : 2h 4m 10s  
 MKT : 20.9 °C      Data Points : 746  
 Alarm At(Te): 2017/02/06 11:02:18

http://www.elitechlog.com      1/3      File Name: EF316C100044-8000001

From 2017/02/06 11:02:18 To 2017/02/06 12:42:08 File Created At: 2017/02/06 13:06:42

11:02:08 19.8 °C	11:16:58 20.1 °C	11:36:30 20.5 °C	11:52:18 21.1 °C	12:08:56 21.1 °C	12:25:38 21.1 °C
11:02:28 19.8 °C	11:19:28 20.1 °C	11:35:48 20.5 °C	11:52:48 21.1 °C	12:09:08 21.1 °C	12:25:48 21.1 °C
11:02:48 20.0 °C	11:19:48 20.1 °C	11:36:08 20.5 °C	11:52:68 21.1 °C	12:09:28 21.1 °C	12:26:08 21.1 °C
11:03:08 20.2 °C	11:19:68 20.1 °C	11:36:28 20.5 °C	11:52:88 21.1 °C	12:09:48 21.1 °C	12:26:28 21.1 °C
11:03:28 20.2 °C	11:19:88 20.1 °C	11:36:48 20.5 °C	11:53:08 21.1 °C	12:09:68 21.1 °C	12:26:48 21.1 °C
11:03:48 20.2 °C	11:20:08 20.1 °C	11:36:68 20.5 °C	11:53:28 21.1 °C	12:09:88 21.1 °C	12:26:68 21.1 °C
11:03:68 20.3 °C	11:20:28 20.1 °C	11:37:08 20.6 °C	11:53:48 21.1 °C	12:10:08 21.1 °C	12:26:88 21.2 °C
11:04:08 20.3 °C	11:20:48 20.1 °C	11:37:28 20.6 °C	11:54:08 21.2 °C	12:10:28 21.1 °C	12:27:08 21.2 °C
11:04:28 20.3 °C	11:20:68 20.1 °C	11:37:48 20.6 °C	11:54:28 21.2 °C	12:10:48 21.1 °C	12:27:28 21.2 °C
11:04:48 20.3 °C	11:21:08 20.1 °C	11:37:68 20.6 °C	11:54:48 21.2 °C	12:11:08 21.1 °C	12:27:48 21.2 °C
11:04:68 20.2 °C	11:21:28 20.1 °C	11:38:08 20.6 °C	11:54:68 21.2 °C	12:11:28 21.1 °C	12:28:08 21.2 °C
11:04:88 20.2 °C	11:21:48 20.1 °C	11:38:28 20.6 °C	11:54:88 21.2 °C	12:11:48 21.1 °C	12:28:28 21.2 °C
11:05:08 20.2 °C	11:21:68 20.2 °C	11:38:48 20.6 °C	11:55:08 21.2 °C	12:11:68 21.1 °C	12:28:48 21.2 °C
11:05:28 20.2 °C	11:21:88 20.2 °C	11:38:68 20.6 °C	11:55:28 21.2 °C	12:11:88 21.1 °C	12:29:08 21.2 °C
11:05:48 20.1 °C	11:22:08 20.2 °C	11:38:88 20.7 °C	11:55:48 21.2 °C	12:12:08 21.1 °C	12:29:28 21.2 °C
11:05:68 20.1 °C	11:22:28 20.2 °C	11:39:08 20.7 °C	11:55:68 21.2 °C	12:12:28 21.1 °C	12:29:48 21.2 °C
11:05:88 20.2 °C	11:22:48 20.2 °C	11:39:28 20.7 °C	11:55:88 21.2 °C	12:12:48 21.2 °C	12:29:68 21.2 °C
11:06:08 20.1 °C	11:22:68 20.2 °C	11:39:48 20.7 °C	11:56:08 21.2 °C	12:13:08 21.2 °C	12:29:88 21.2 °C
11:06:28 20.1 °C	11:22:88 20.2 °C	11:39:68 20.7 °C	11:56:28 21.2 °C	12:13:28 21.2 °C	12:30:08 21.2 °C
11:06:48 20.2 °C	11:23:08 20.2 °C	11:39:88 20.7 °C	11:56:48 21.2 °C	12:13:48 21.2 °C	12:30:28 21.2 °C
11:06:68 20.2 °C	11:23:28 20.2 °C	11:40:08 20.7 °C	11:56:68 21.2 °C	12:13:68 21.2 °C	12:30:48 21.2 °C
11:06:88 20.2 °C	11:23:48 20.2 °C	11:40:28 20.7 °C	11:56:88 21.2 °C	12:13:88 21.2 °C	12:30:68 21.2 °C
11:07:08 20.2 °C	11:23:68 20.2 °C	11:40:48 20.7 °C	11:57:08 21.2 °C	12:14:08 21.1 °C	12:30:88 21.2 °C
11:07:28 20.0 °C	11:23:88 20.2 °C	11:40:68 20.7 °C	11:57:28 21.2 °C	12:14:28 21.1 °C	12:31:08 21.2 °C
11:07:48 20.0 °C	11:24:08 20.2 °C	11:40:88 20.7 °C	11:57:48 21.2 °C	12:14:48 21.1 °C	12:31:28 21.2 °C
11:07:68 19.9 °C	11:24:28 20.2 °C	11:41:08 20.7 °C	11:57:68 21.2 °C	12:14:68 21.1 °C	12:31:48 21.2 °C
11:07:88 19.9 °C	11:24:48 20.2 °C	11:41:28 20.7 °C	11:57:88 21.2 °C	12:14:88 21.1 °C	12:31:68 21.2 °C
11:08:08 19.9 °C	11:24:68 20.2 °C	11:41:48 20.7 °C	11:58:08 21.2 °C	12:15:08 21.1 °C	12:31:88 21.2 °C
11:08:28 19.9 °C	11:24:88 20.2 °C	11:41:68 20.7 °C	11:58:28 21.2 °C	12:15:28 21.1 °C	12:32:08 21.2 °C
11:08:48 19.9 °C	11:25:08 20.2 °C	11:42:08 20.7 °C	11:58:48 21.2 °C	12:15:48 21.1 °C	12:32:28 21.2 °C
11:08:68 19.9 °C	11:25:28 20.2 °C	11:42:28 20.7 °C	11:59:08 21.2 °C	12:15:68 21.1 °C	12:32:48 21.2 °C
11:08:88 19.9 °C	11:25:48 20.2 °C	11:42:48 20.7 °C	11:59:28 21.2 °C	12:15:88 21.1 °C	12:32:68 21.2 °C
11:09:08 19.9 °C	11:25:68 20.3 °C	11:42:68 20.8 °C	11:59:48 21.2 °C	12:16:08 21.1 °C	12:32:88 21.2 °C
11:09:28 19.9 °C	11:25:88 20.3 °C	11:42:88 20.8 °C	11:59:68 21.2 °C	12:16:28 21.1 °C	12:33:08 21.2 °C
11:09:48 19.9 °C	11:26:08 20.3 °C	11:43:08 20.8 °C	11:59:88 21.2 °C	12:16:48 21.1 °C	12:33:28 21.2 °C
11:09:68 19.9 °C	11:26:28 20.3 °C	11:43:28 20.8 °C	12:00:08 21.2 °C	12:16:68 21.1 °C	12:33:48 21.2 °C
11:10:08 19.9 °C	11:26:48 20.3 °C	11:43:48 20.8 °C	12:00:28 21.2 °C	12:16:88 21.1 °C	12:33:68 21.2 °C
11:10:28 19.9 °C	11:26:68 20.3 °C	11:43:68 20.8 °C	12:00:48 21.2 °C	12:17:08 21.1 °C	12:33:88 21.2 °C
11:10:48 19.9 °C	11:26:88 20.3 °C	11:43:88 20.8 °C	12:00:68 21.2 °C	12:17:28 21.1 °C	12:34:08 21.2 °C
11:10:68 19.9 °C	11:27:08 20.3 °C	11:44:08 20.8 °C	12:00:88 21.2 °C	12:17:48 21.1 °C	12:34:28 21.2 °C
11:11:08 19.9 °C	11:27:28 20.3 °C	11:44:28 20.8 °C	12:01:08 21.2 °C	12:17:68 21.1 °C	12:34:48 21.2 °C

### Other pages

<b>1</b> Basic information	<b>B</b> Alarm (Alarm status as shown in the figure above)	<b>J</b> Actual stop mode (different from the item C)
<b>2</b> Description of the usage	<b>C</b> Mark Event	<b>K</b> Vertical coordinate unit of the data graph
<b>3</b> Configuration information	<b>D</b> Stop mode that has been set.	<b>L</b> Record data curve
<b>4</b> Alarm threshold and related statistics	<b>E</b> Alarm status of the temperature alarm zone	<b>M</b> Alarm threshold
<b>5</b> Statistical information	<b>F</b> Total times of exceeding the temperature alarm threshold	<b>N</b> Document name (serial number & description of usage ID)
<b>6</b> Temperature and humidity graph	<b>G</b> Total time of exceeding the temperature alarm threshold	<b>O</b> Record time range in the current page
<b>7</b> Temperature and humidity data details	<b>H</b> Alarm delay and alarm type	<b>P</b> Records when date changes (date & temperature)
<b>A</b> Document creation time (record stop time)	<b>I</b> Alarm threshold and temperature alarm zones	<b>Q</b> 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

Elitech Technology, Inc.  
 1551 McCarthy Blvd, Suite 112  
 Milpitas, CA 95035 USA

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