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User Manual

LogEt 8 TE
Reusable PDF Temperature Logger

Software download: www.elitechlog.com/softwares

Overview

The temperature data logger is ideal for temperature-sensitive products during their storage and transportation. The logger features with a USB port, convenient for technical parameter settings and data export to PDF report. The logger aims to protect the whole storage and shipment process and devotes on accurate and reliable temperature monitoring.

Appearance

1	USB port
2	LCD screen
3	Default parameters sticker
4	START and STOP button
5	Embedded temperature sensor
6	External probe interface

Specifications

Measuring range: -30 ℃~+70 ℃; Resolution: 0.1 ℃	Alarm type: Single/Cumulative
Accuracy: Temperature: ±0.3 ℃ (-20 ℃~+40 ℃); ±0.5 ℃ (others)	Data transmission: USB port
Sensor type: Internal and external temperature and humidity sensors	Report type: PDF format
Memory: 16000 points (MAX)	Data encryption: Set password to ensure data security
Logging interval: 10 seconds ~ 24 hours	Battery: 3.6V single-use lithium battery
Start mode: Button or software	Battery life: 2 years (stored and used in normal temperature environment)
Stop mode: Button, software or stop when full	
Alarm thresholds: Temperature: up to 3 high limits and 2 low limits	Protection grade: IP65
Dimensions: 103mmx46mmx19mm(LxWxH)	Weight: 60g

Operation

1. ElitechLog installation and login

Open www.elitechlog.com and download ElitechLog software of its latest version.

2. Data logger configuration

2.1 Insert the data logger into a computer and wait until the logger displays 'USb'.

2.2 Open ElitechLog software, it will detect the logger and read its data automatically. User can also click 'Download' to read the recorded points from the logger.

2.3 You may personalise the parameters by click the 'Parameter' tab (or 'Settings' tab on Mac version) on the software by clicking 'Parameter' ('Settings' on Mac version). Then click 'Save Parameter' ('Save' on Mac version), the configured parameters will be saved to the logger and will pops out a dialog box as 'Parameters set successfully'.

3. Data Logger Operation

If you want to	Please
Start the logger	Hold START button for 5 sec. ▶
Stop the logger	Hold STOP button for 5 sec. ■
View the status	Press & release START button

If you want to	Please
Back to Menu	Press & release STOP button
Mark events	When logger is started, press&hold START button for 5s until ⧗ shows on the LCD

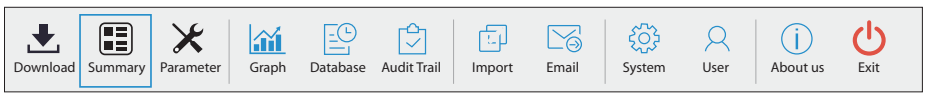
Note:

- *Only reconfiguration can make a stopped data logger be activated again. New configuration will initialize previously recorded data. Please make sure you have saved all data before you apply new configurations.*
- *Start by button: If Start Mode - Press Button is enabled, press and hold the START button until the LCD screen shows flashing ▶, which indicates the logger has been activated and will start logging after the configured 'Start Delay' time elapses.*
- *Timed start: The logger starts logging automatically after the configured 'Timing Start' time elapses. (In this mode, Start Mode - Press Button is disabled.)*

4. Read/Manage Data

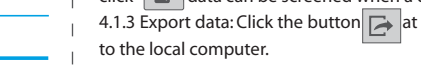
Insert the data logger into a computer, wait until the logger's screen displays 'USb'. You may find a USB driver icon appears on your computer. You can click that icon to view the automatically generated PDF report or open ElitechLog software for future operations.

4.1 Menu bar of ElitechLog software (Windows version)



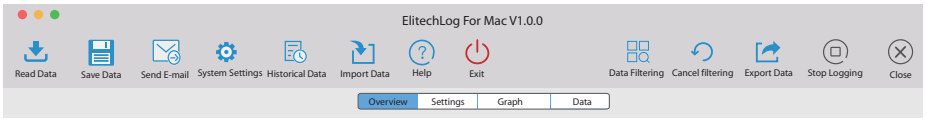
4.1.1 Read data: Normally, the software will automatically download and update data when a data logger has been detected.. If not, please manually click 'Download' to download and update the data from the logger.

4.1.2 View data: After downloaded, the data can be viewed by a click on Summary, Graph, Database, etc. In 'Graph' page, click  data can be screened when a desired time range is selected.

4.1.3 Export data: Click the button  at the bottom left of 'Graph' page, a PDF, XLS and other format file can be saved to the local computer.

4.1.4 Historical data: Click 'Database', user may check the data of the devices previously downloaded.

4.2 Menu bar of ElitechLog software (Mac version):



4.2.1 Read data: The software will automatically download and update data when a data logger is detected. If not, please manually click 'Read Data' to transmit and update the data.
4.2.2 View data: After downloaded, the data can be viewed by a click on Overview, Graph, Data, etc. Click 'Data Filtering' on the top right, data can be screened when a desired time range is selected.
4.2.3 Export data: Click 'Export Data' on the top right, a PDF, XLS and other format file can be saved to the local computer.

For other advanced functions, you may refer to the ElitechLog User Manual by clicking on 'About us' page (?) in the menu bar of Mac version).

Parameter Introduction

Users can reconfigure parameters via ElitechLog app.
Important! Reconfiguration will clear all the configured parameters and recorded data.

Alarm thresholds	The logger supports 3 high temperature limits, 2 low temperature limits.
Alarm zone	The range that exceeds high limits or below low limits.
Alarm type	Single - Single timing only on continuous over-limit event. Cumulative - Cumulative timing on all over-limit events.
Alarm delay	The logger does not alert when measured temperature is within reaches the alarm zones. It begins to alarm only when the configured alarm delay time elapses.
MKT	Mean kinetic temperature is an evaluation method that indicates the effect of temperature fluctuation on stored goods

Menu Introduction

Menu	Display	Meaning
1	Timing start	28
	Delayed start	28
2	Not started	28
3	Started	308
4	Recorded points	16000
5	Max temperature	588
6	Min temperature	28
7	MKT value	80
8	Average temperature	80
9	High temperature limit 3	600
10	High temperature limit 2	500
11	High temperature limit 1	400
12	Low temperature limit 1	10
13	Low temperature limit 2	-20
14	System date	180606
15	System time	105028
16	Sensor error	Err
17	PDF creation in progress	PdF 88
18	External sensor	tE 385

Frequently Asked Questions

1. How to set logger time?

The logger clock can be only changed in parameter settings status.
Insert the data logger into a computer and wait until 'USb' shows on the logger's screen. Open ElitechLog software, click 'Parameter' ('Settings' on Mac version), select the correct time zone, and then click 'Save Parameter' ('Save' on Mac version), the computer's system time will be loaded to the logger automatically.

2. How to set temperature unit?

The logger unit can be only changed in parameter settings status.
Insert the data logger into a computer and wait until 'USb' shows on the logger's screen. Open ElitechLog software, click 'Parameter' ('Settings' on Mac version), select the desired temperature unit, and then click 'Save Parameter' ('Save' on Mac version), the settings will be loaded to the logger automatically.

3. What are the meanings of single alarm and cumulative alarm?

Single alarm: When the measured temperature or humidity data exceeds a certain threshold and alarm delay does not elapse, the alarm event will not be triggered and the duration will be reset. When the duration is longer than alarm delay, the alarm event is triggered.
Cumulative alarm: When the measured temperature or humidity data exceeds a certain threshold and alarm delay does not elapse, the alarm event will not be triggered and the duration will be saved. If such event occurs again, the duration will accumulate. When the accumulative duration is longer than alarm delay, the alarm event is triggered.

Indication Symbols And Status

Display	Meaning	Display	Meaning
	No alarm		Mark
	Alarm triggered	------	Data cleared
	Min	USb	USB interface is in use
	Max		

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