

Elitech LogEt 8 THE

Elitech LogEt 8 THE Digital Temperature and Humidity Data Logger Instruction Manual

Model: LogEt 8 THE

1. PRODUCT OVERVIEW

The Elitech LogEt 8 THE is a reusable digital data logger designed for monitoring temperature and humidity. It is suitable for various applications, including cold chain management for pharmaceuticals, vaccines, food, and other sensitive products. This device features high precision sensors, multiple alarm thresholds, and direct USB connectivity for data download and report generation.



Image: Elitech LogEt 8 THE Digital Temperature and Humidity Data Logger with its external probe. The device displays "32.9" and has "START" and "STOP" buttons.

2. KEY FEATURES

- **High-precision Temperature & Humidity Sensor:** Wide temperature range from -40°F to 185°F with $\pm 0.5^\circ\text{F}$ accuracy. Humidity measuring range: 10%RH to 90%RH, with $\pm 3\%$ RH accuracy.
- **Multiple Alarms:** Configurable with up to 5 alarm thresholds (3 high, 2 low).
- **Plug and Read Functionality:** Direct USB connection for data download without requiring a separate cable or reader.
- **Automatic PDF Report Generation:** Encrypted PDF reports are automatically generated with password protection. Free Elitechlog software provides personalized settings and management.
- **Long Working Life:** Utilizes a replaceable lithium battery for extended operation.

3. DEVICE COMPONENTS

Service in Every Aspect of Life

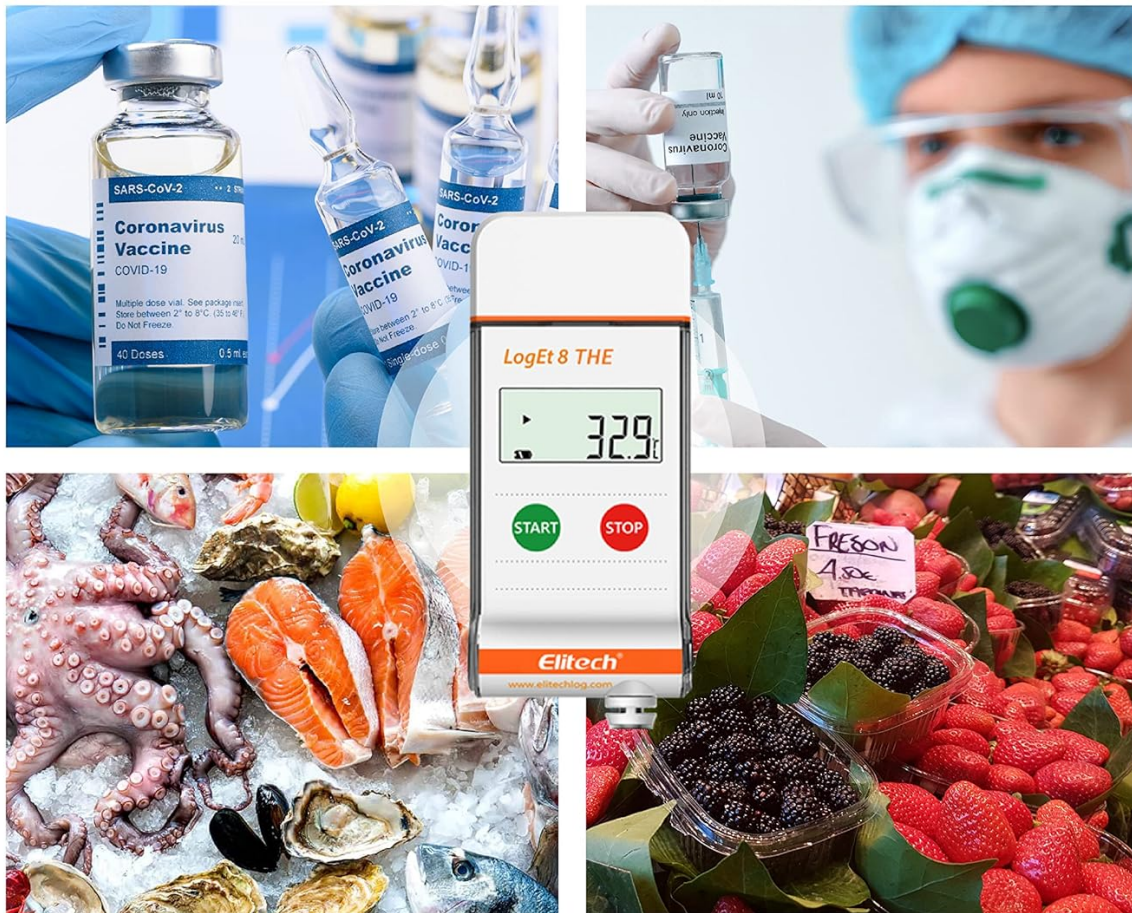


Image: Diagram illustrating the components of the Elitech LogEt 8 THE data logger. Key components include: 1. USB Port, 2. LCD Screen, 3. Buttons (START/STOP), 4. External Temperature and Humidity Sensor, and 5. Battery Cover.

1. **USB Port:** Used for connecting to a computer for data download and configuration.
2. **LCD Screen:** Displays current temperature, humidity, and device status.
3. **Buttons:** "START" button to initiate logging, "STOP" button to cease logging.
4. **External Temperature and Humidity Sensor:** Provides accurate environmental readings.
5. **Battery Cover:** Protects the replaceable lithium battery compartment.

4. SETUP

4.1 Initial Inspection

Upon receiving your LogEt 8 THE data logger, inspect the packaging and device for any signs of damage. Ensure all included components (data logger, calibration certificate, user manual) are present.

4.2 Software Installation

Before first use, download and install the Elitechlog software from the official Elitech website. This software is required for device configuration, data download, and report generation.

- Visit the Elitech official website.
- Navigate to the support or download section.
- Download the Elitechlog software compatible with your operating system (Windows/macOS).
- Follow the on-screen instructions to complete the installation.



Image: The Elitech LogEt 8 THE data logger plugged into a laptop's USB port, illustrating the data export process via ElitechLogWin software to PDF, Excel, or TXT formats.

4.3 Device Configuration

Connect the data logger to your computer via the USB port. The Elitechlog software will detect the device. Use the software to configure parameters such as:

- Logging interval
- Start delay
- Alarm thresholds (high/low temperature and humidity)

- Temperature unit (°C/°F)
- Time zone

Ensure the external temperature and humidity sensor is securely connected to the device before deployment.

5. OPERATION

5.1 Starting Data Logging

Press and hold the **START** button for approximately 3 seconds until the "REC" indicator appears on the LCD screen. This indicates that the device has begun recording data according to the configured settings.

5.2 Stopping Data Logging

To stop logging, press and hold the **STOP** button for approximately 3 seconds. The "REC" indicator will disappear from the LCD screen, confirming that logging has ceased.

5.3 Reading Data and Generating Reports

After logging is complete, connect the data logger to a computer via the USB port. The Elitechlog software will automatically recognize the device and prompt you to download the recorded data. The software will then generate an encrypted PDF report, which can also be exported to Excel or TXT formats for further analysis.



Image: A visual representation of the Elitech LogEt 8 THE data logger connected to a computer, showing the generation of a PDF report. The report includes a graph of temperature and humidity data over time.

5.4 Password Protection

The generated PDF reports can be password-protected for enhanced data security. This feature is configured within the Elitechlog software.

6. MAINTENANCE

6.1 Battery Replacement

The LogEt 8 THE uses a replaceable lithium battery. When the battery indicator on the LCD screen shows low power, replace the battery to ensure continuous and accurate operation. To replace the battery:

1. Locate the battery cover (Component 5 in the diagram).
2. Carefully open the battery cover.
3. Remove the old battery and insert a new compatible lithium battery, observing polarity.
4. Close the battery cover securely.

6.2 Cleaning

Wipe the device clean with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the casing

or screen. Ensure the device is dry before use.

6.3 Storage

When not in use for extended periods, store the data logger in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for very long durations to prevent leakage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Replace the battery.
Data not logging.	Logging not initiated or stopped prematurely.	Ensure the START button was pressed and held until "REC" appears. Check battery level.
Cannot connect to computer/software.	USB connection issue; software not installed or outdated.	Ensure the device is fully inserted into the USB port. Verify Elitechlog software installation and update to the latest version. Try a different USB port.
Inaccurate readings.	Sensor obstruction or damage; device placed in extreme conditions.	Ensure the external sensor is clean and unobstructed. Relocate the device to a suitable environment within its operating range.
PDF report not generated.	Software error; insufficient disk space.	Restart the Elitechlog software and try again. Ensure sufficient storage space on your computer.

8. SPECIFICATIONS

Feature	Detail
Model Number	LogEt 8 THE
Temperature Range	-40°F to 185°F (-40°C to 85°C)
Temperature Accuracy	±0.5°F (±0.3°C)
Humidity Range	10%RH to 90%RH
Humidity Accuracy	±3%RH
Record Capacity	16000 points
Connectivity	USB
Report Format	PDF (automatic, encrypted), Excel, TXT
Power Source	1 Lithium Metal battery (included, replaceable)
Product Dimensions	4 x 1.8 x 0.8 inches
Weight	3.17 ounces
Included Components	Data Logger, Calibration Certificate, User Manual

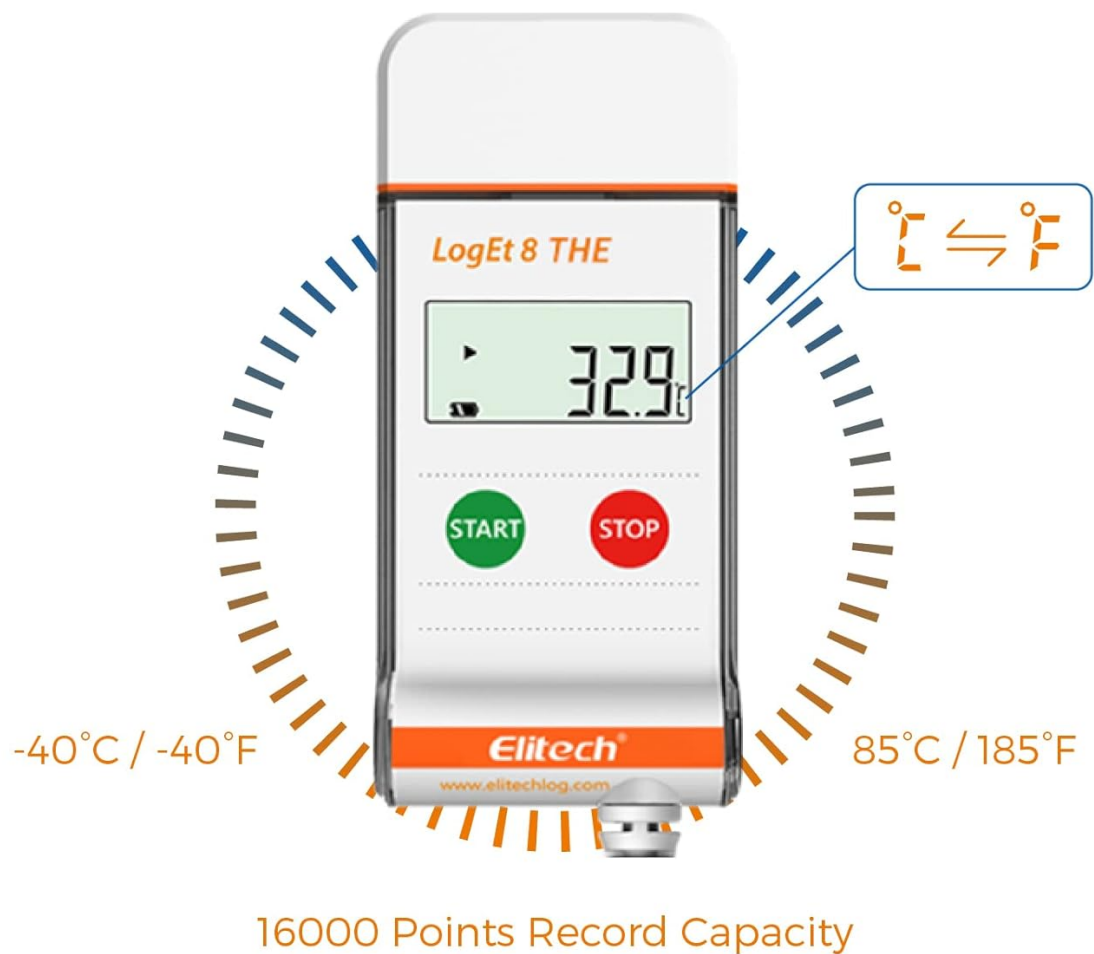

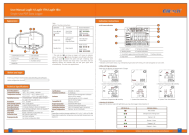
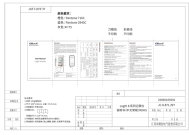

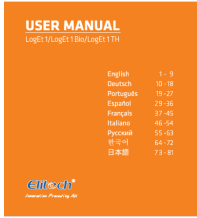


Image: The Elitech LogEt 8 THE data logger displaying its temperature range from -40°C/-40°F to 85°C/185°F and indicating a 16000 points record capacity.

9. WARRANTY AND SUPPORT

Elitech provides US Technician Support via Email and Phone for any inquiries or issues you may encounter with your LogEt 8 THE data logger. Please refer to the official Elitech website or the included documentation for specific warranty terms and contact information.

For technical assistance, please visit the [Elitech official website](#) or contact their support team directly.

 <p>Multilingual Specification LogEt 5 series</p>	<p>Elitech LogEt 5 Series Data Logger Specifications and User Manual</p> <p>Comprehensive specifications, features, and operating instructions for the Elitech LogEt 5 series of temperature and humidity data loggers, designed for cold chain monitoring.</p>
	<p>Elitech LogEt 1 Series Single-Use PDF Data Logger User Manual</p> <p>User manual for the Elitech LogEt 1, LogEt 1TH, and LogEt 1Bio single-use PDF data loggers, covering appearance, technical specifications, indication instructions, and operation.</p>
	<p>Elitech LogEt 8 Series Data Logger User Manual - Temperature and Humidity Monitoring</p> <p>Comprehensive user manual for the Elitech LogEt 8 Series data loggers, detailing specifications, operation, installation, and troubleshooting for temperature and humidity monitoring in cold chain logistics.</p>
 <p>User Manual LogEt 5 Series</p>	<p>Elitech LogEt 5 Series User Manual: Temperature and Humidity Data Loggers</p> <p>Comprehensive user manual for the Elitech LogEt 5 Series temperature and humidity data loggers. Covers overview, model selection, specifications, operation, status indication, battery replacement, and default configurations.</p>
	<p>Elitech LogEt 1 Series User Manual: Temperature and Humidity Data Loggers</p> <p>Comprehensive user manual for the Elitech LogEt 1 series of single-use data loggers, covering LogEt 1 (temperature), LogEt 1TH (temperature-humidity), and LogEt 1 Bio (high accuracy temperature). Includes specifications, operation, status indication, and warnings.</p>

Before first use

1. Read the user manual and the LogEt 6 PT Disposable Ultra-Low Temperature Data Logger User Manual & Specifications before using the device.

- Warnings:**
- Do not use the device in a hazardous environment. Do not use the device in a hazardous environment.
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- Precautions:**
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- Instructions:**
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Temperature range:

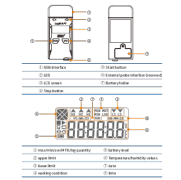
- Operating temperature: -85°C to +125°C
- Storage temperature: -85°C to +125°C

Humidity range:

- Operating humidity: 10% to 90% RH
- Storage humidity: 10% to 90% RH

LogEt 6 PT Disposable Ultra-Low Temperature Data Logger

LogEt 6 PT Disposable Ultra-Low Temperature Data Logger is a portable, rugged, and reliable data logger designed for cold chain monitoring in environments down to -85°C. It features 16,000 data points, 30-day battery life, and PDF report generation.



Item	Description
1	Battery
2	Microcontroller
3	Memory
4	Temperature sensor
5	USB port
6	LED indicator
7	Reset button
8	Temperature sensor
9	Temperature sensor
10	Temperature sensor

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Features:

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Notes:

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Elitech LogEt 6 PT Disposable Ultra-Low Temperature Data Logger User Manual & Specifications

Comprehensive user manual and technical specifications for the Elitech LogEt 6 PT, a disposable ultra-low temperature data logger. Designed for cold chain monitoring in environments down to -85°C, it features 16,000 data points, 30-day battery life, and PDF report generation.