



Elitech GSP-8A Temperature and Humidity Data Logger Recorder Audio Alarm User Manual

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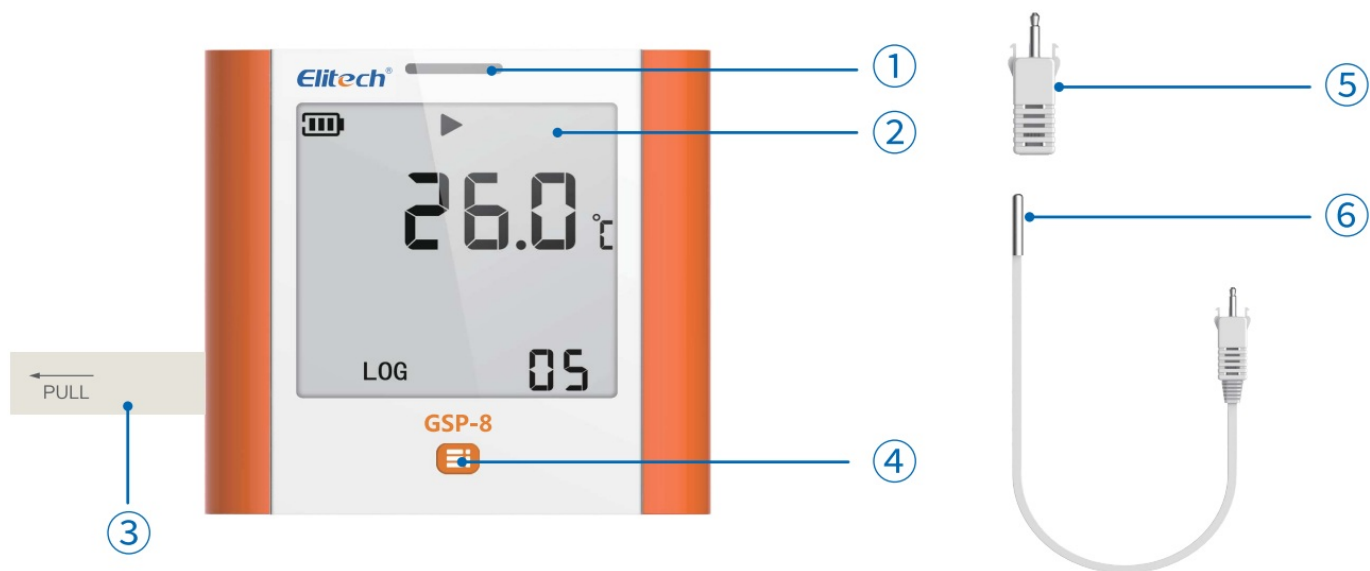
**GSP-8
User Manual**

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Overview

GSP-8 data logger s used to record the temperature/humidity of foods, medicines, chemicals and other goods during storage, transportation and i each stage of the cold chain including cooler bags, cooling cabinets, refrigerators, medicine cabinets, laboratories, reefer containers,and trucks, 'The logger features a arge LCD screen, one button for operation, an internal temperature sensor, and an external temperature-humidity-combined probe (optional). It supports audible-visual alarm, two storage modes, and auto shortens logging interval function during alarms. also for wall mounting through the holes at the back of logger.



1. DLEDIndicator
2. LCD Screen
3. IsolatorStrip
4. Button
5. Short External Temperature-humidity Probe (optional)
6. Long External Temperature-humidity Probe (2m, optional)

Specifications

Sensor	Digital temperature humidity sensor
Temperature Measurement Range	Internal sensor: -20~60°C (-4°F~140°F); External probe: -40~85°C (-40°F~185°F) *
Humidity Measurement Range	External probe: 1~99%RH
Temperature Accuracy	± 0.3°C/± 0.6°F (-20~40°C) , ± 0.5°C/+0.9°F (others)
Humidity Accuracy	±3%RH (25°C) ±5%RH (others) M183
Operating Temperature Range	-20~60°C (-4°F~140°F)
Ambient Temperature during power charging	0~40°C (32°F~104°F)
Resolution	0.1°C/°F; 0.1%RH
Memory	Maximum 100,000 points
Logging Interval	10 seconds to 24 hours
LCD ON	15/30/45/60 seconds; always on

Backlight ON	15/30/45/60 seconds; always on
Start Mode	Press button; auto start; timed start
Stop Mode	Press button; use software; auto stop
Alarm Thresholds Data Interface	Configurable, temperature: up to 3 high limits and 5 low limits; humidity: 1 high limit and 1 low limit
Alarm Type	Single; cumulative
Alarm Delay	10 seconds to 24 hours
Data Interface	USB
Report Format	A0 POF et PDF/EXCEL/TXT** by ElitechLog software
Battery	Rechargeable 18650 lithium battery
battery life	Store and use for 2 years (@25°C and 15 minutes logging interval)
Dimensions	94x90x29 mm
Weight	173

* At ultralow temperature, the LCD is slow but does not affect normal logging. It will be back to normal after the temperature rises.

**TXT for Windows ONLY.

Operation


1. Activate Logger

Pull out the insulator strip from the side of the logger to activate the battery.

2. Install Software

Please download and install the free ElitechLog software (macOS and Windows) via www.elitechlog.com.

3. Configure Parameters

First, connect the data logger to the computer via USB cable, wait until the  icon shows on the LCD, then configure via:

ElitechLog software:

- If you do not need to change the default parameters (in Appendix); please click Quick Reset under Summary menu to synchronize local time before usage:
- If you need to change the parameters, please click the Parameter menu, enter your preferred values, and

click the Save Parameter button to complete the configuration.

Warning! For first time user or after battery replacement: To avoid time or time zone errors, please make sure you click Quick Reset or Save Parameter before usage to sync and configure your local time into the logger.


4. Start Logging

Press Button:

Press and hold the button for 5 seconds until the  icon shows on the LCD, indicating the logger starts logging Auto Start:

Immediate Start: The logger starts logging after remove it from the computer.


Timed Start: The logger starts counting after being removed from the computer; it will start logging automatically after the set date/time.

Note: If the  icon keeps flashing, it means the logger configured with start delay; it will start logging after the set delay time elapses

5. Mark Events

Double click the button to mark current temperature and time, up to 10 groups of data. After marked, it will be indicated by Log X and SUC on the LCD screen (X means the marked group)

6. Stop Logging

Press Button[®]: Press and hold the button for 5 seconds until the  icon shows on the LCD, indicating the logger stops logging.

Auto Stop^{**}: When the logging points reach the maximum memory, the logger will stop automatically.

Use Software: Open Elitechlog software, click Summary menu, and Stop Logging button

Note: "Default stop method is Press Button. If you disabled it, the button operation would be invalid; please open the ElitechLog software. and click Stop Logging button to stop it ^{**}The Auto Stop function will be disabled automatically if you enabled the Circular Logging

7. Download Data

Connect the data logger to the computer via USB cable, wait until 2 shows on the LCD screen, then download data:

Without ElitechLog Software: Simply find and open the removable storage device ElitechLog, save the auto generated PDF report to your computer for viewing With ElitechLog software: After the logger auto-upload its data to the ElitechLog software, click Export and select your preferred file format to export. If data failed to auto-upload, please manually click Download and then repeat above operation.

8. Reuse the Logger

To reuse a logger, please stopped it first; then connect it to your computer and use ElitechLog software to save or export the data.

Next, reconfigure the logger by repeating the operations in 3. Configure Parameters*. After finished, follow 4. Start Logging to restart the logger for new logging.

Warning! *To make space for the new loggings, All previous logging data inside the logger will be deleted after re-configuration, if you forgot to save/export data, please try to locate the logger in the History menu of ElitechLog software.

9. Repeat Start:

If you have enabled Repeat Start function", simply press and hold the button for 5 seconds to quickly restart the stopped logger without any configuration.

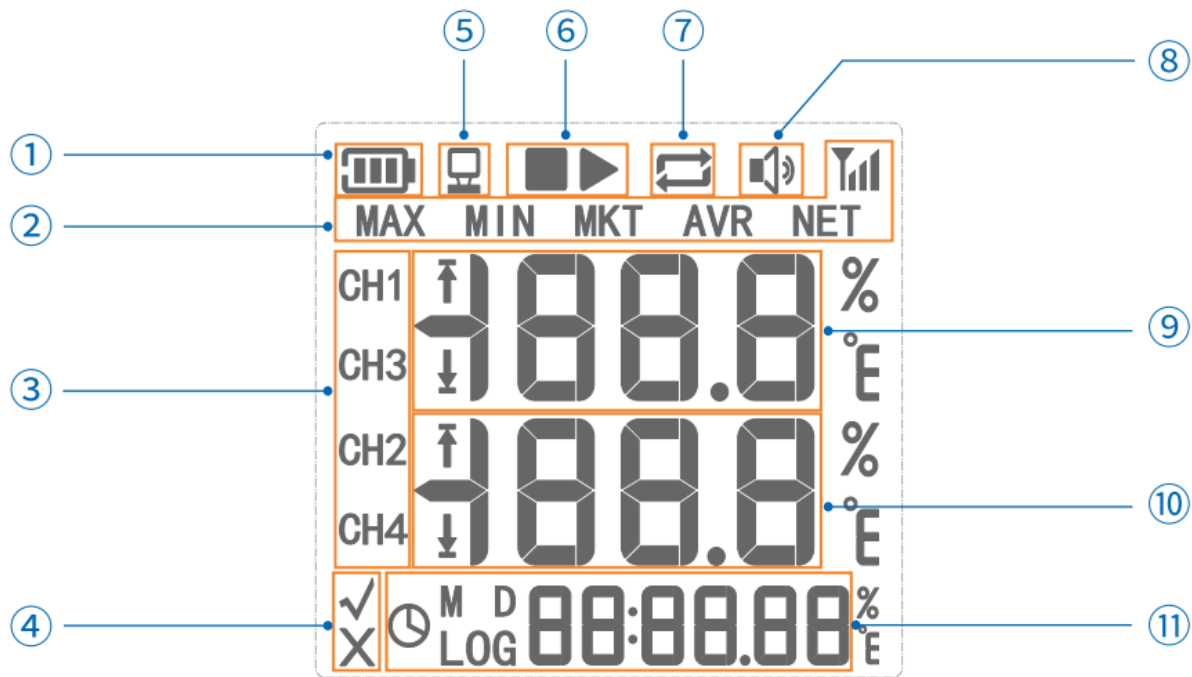
Note: * Repeat Start is disabled by default to prevent data loss caused by misoperation. Please backup data before Repeat Start by repeating 7.Download Data.

Status Indication

1. Buttons









Operations	Function
Press and hold the button for S seconds	Start/Stop logging
Press and release the button	Check/Switch interfaces
Double click the button	Mark events

2. LCD Screen




















1. BatteryLevel 2. Functions 3. Channel Selection 4. Over Limit Alarm	5. Connected to PC 6. Stopped/Logging 7. Circular Logging 8. Buzzer (Enabled)	9. Temperature 10. Humidity 11. Logging Interval/Date or Time
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3. LCD Interface

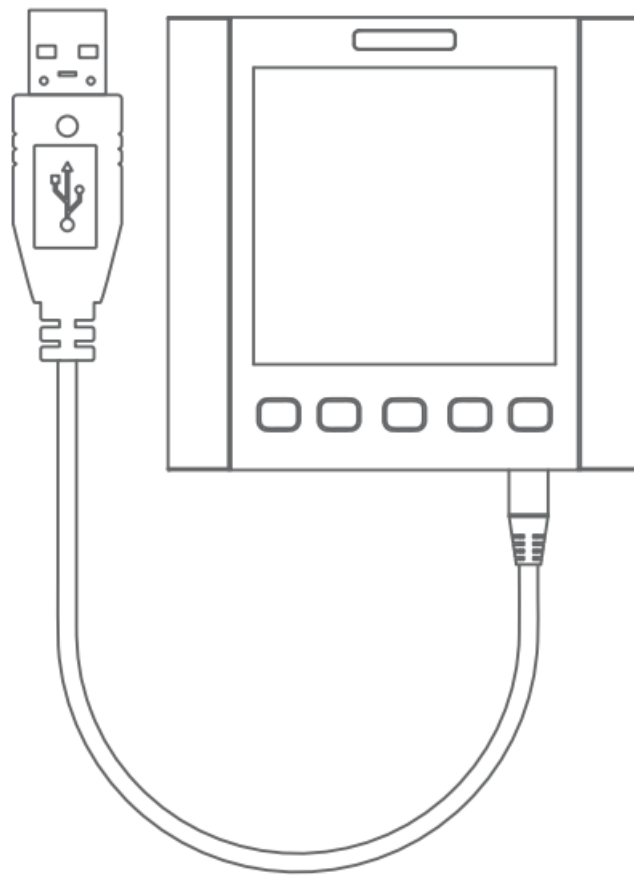
Not Start :		Maximum:	
Delay/Timed Start (► flashes)		Minimum:	
Logging:		High Limit:	
Average:		Low Limit :	

Note: I configured to use the internal sensor (temp). the humidity will not display by default.

4. LED & Buzzer Indication

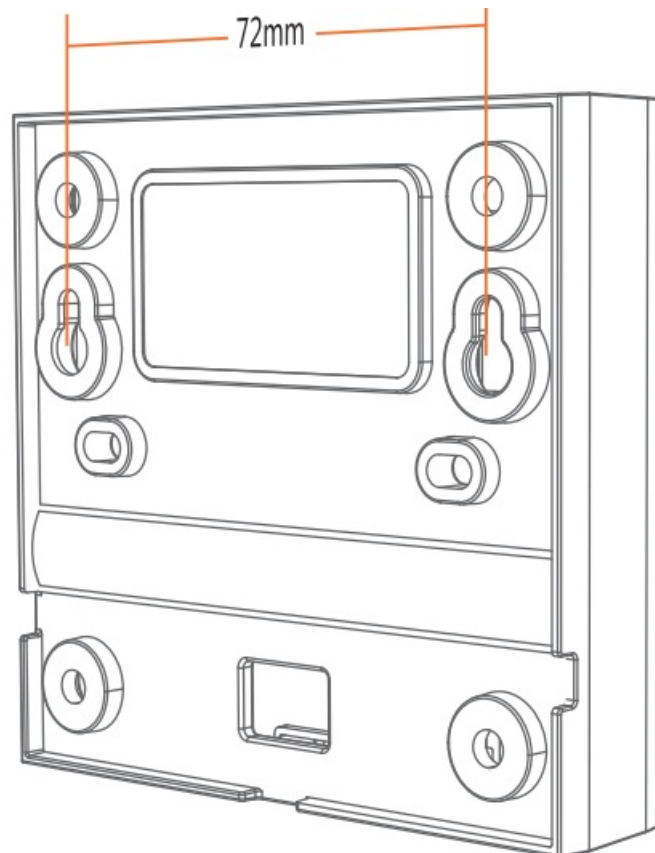
LED Indicator	Buzzer*	Meaning...
  flash once	 beeps once	Configuration completed
  flash twice	 beeps twice	Started
  flash 3 times	 beeps 3 times	Stopped
  flash 4 times	 beeps 4 times	Timed/Delay start
  flash once every 15 seconds	 in alarm status*	
 flashes once every 1 seconds	/	Charging
 always on, and then off	/	Charged

Battery Charging



Connect the included USB cable into a computer or poweradapter for battery charging.

Wall Mounting





GSP-8 supports hanging-mount and stand (optional) only, please confirm the installation distance and preferred nail size before hanging the logger to wall (nail not included).


What's Included


- GSP-8 Temperature (Humidity) Data Logger x 1
- Micro USB Cable x 1
- User Manual x1
- Certificate of Verification x 1
- Long External Temperature-humidity Probe (2m) x 1 (Optional)
- Certificate of Verification (2m) x 1 (Optional)
- Short External Temperature-humidity Probe x 1 (Optional)
- Certificate of Verification (Short) x 1 (Optional)
- Stand x1 (Optional)


Warning!

 If you use the logger for the first time, please use ElitechLog software to synchronize system time and configure parameters.

 Any parameter configuration on ElitechLog software will delete all logged data inside the logger. Please save data before you apply new configurations

 The LLD screen will auto off after 15 seconds of inactivity (by default) Press the button again to turn on the screen. The backlight ON time is configurable via ElitechLog software.

 To ensure the humidity accuracy, please avoid contact with unstable chemical solvents or compounds, especially avoid long-term storage or exposure to the environments with high concentrations of ketene, acetone, ethanol, isopropanol, toluene, etc.

 Recommended to remove the battery from the – side (cathode).

Appendix

Default Parameters:

Logging Interval	15 minutes
High Temperature Limit	60
Low Temperature Limit	0°C
Button Tone	Enable
Audible Alarm	Disable
Logging interval shortened in alarm	Disable
Loon	15 seconds
Backlight ON	OFF

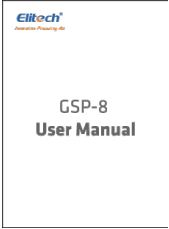
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www.elitechlog.com

Documents / Resources

	<p>Elitech GSP-8A Temperature and Humidity Data Logger Recorder Audio Alarm [pdf] User Manual</p> <p>GSP-8A, GSP-8A Temperature and Humidity Data Logger Recorder Audio Alarm, Temperature and Humidity Data Logger Recorder Audio Alarm, Humidity Data Logger Recorder Audio Alarm, Data Logger Recorder Audio Alarm, Logger Recorder Audio Alarm, Recorder Audio Alarm, Audio Alarm, Alarm</p>
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