Elitech Multi Use Temperature And Humidity Data Logger User Manual
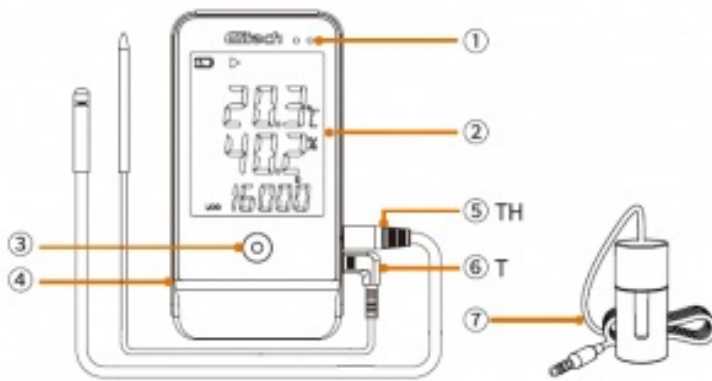
Contents

Elitech Multi Use Temperature And Humidity Data Logger User Manual

Overview

RC-61/GSP-6 is a temperature and humidity data logger with two external probes that allow various probe combination methods. It features a large LCD Screen, audible-visual alarm, auto shortened interval for alarms and

other functions; its built-in magnets are also easy for mounting during usages. It can be used to record the temperature/humidity of medicines, chemicals, and other goods during storage, transportation and in each phase of the cold chain including cooler bags, cooling cabinets, medicine cabinets, refrigerators and laboratories.

1. LED Indicator
2. LCD Screen
3. Button
4. USB Port
5. Temperature-Humidity-Combined Probe (TH)
6. Temperature Probe (T)
7. Glycol Bottle Probe (optional)

Specifications

Model	RC-61/GSP-6
Temperature Measurement Range	-40″C~+BS″C (-40″F~18S″F)
Temperature Accuracy	TH Probe: ±0.3″C/±0.6″F (-20″C~+40″C), ±0.S″C/±0.9″F (others)
	T Probe: ±0.S″C/±0.9″F (-20″C-+40″C), ±1″C/±1.8″F (others)
Humidity Measurement Range	0%RH-100%RH
Humidity Accuracy	±3%RH (25″C, 20%RH-80%RH), ±5%RH (others)

Resolution	0.1″C/″F; 0.1%RH
Memory	Maximum 16,000 points
Logging Interval	10 seconds to 24 hours
Data Interface	USB
Start Mode	Press button; Use software
Stop Mode	Press button; Auto-stop; Use software
Software	ElitechLog, for mac □ S & Windows system
Report Format	PDF/EXCEL/TXT* via ElitechLog software
External Probe	Temperature-humidity combined probe, temperature probe; glycol bottle probe (optional)**
Power	ER14505 battery/USB
Shelf Life	2 years
Certification	EN12830, CE, RoHS
Dimensions	118×61.Sx19 mm
Weight	100g

*TXT for Windows ONLY.   •• The glycol bottle contains 8ml propylene glycol.
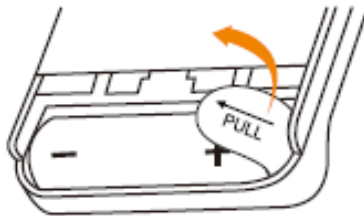
Operation

1. Activate Logger

1. Open the battery cover, gently press the battery to hold it in position.
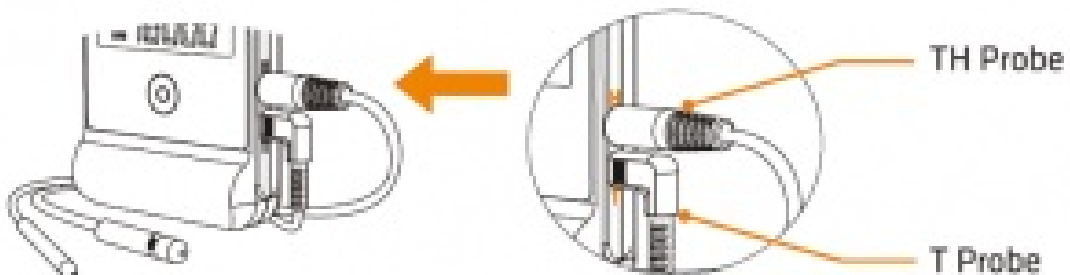
2. Pull out the battery insulator strip.

3. Then re-install the battery cover.

2. Install Probe

Please install the probes to the corresponding jacks ofT and H, details are shown below:

TH Probe

T Probe

3. Install Software

Please download and install the free ElitechLog software (macOS and Windows) from Elitech US: www.elitechustore.com/pages/download
or Elitech UK: www.elitechonline.co.ul</software or Elitech BR: www.elitechbrasil.com.br.

4. Configure Parameters

First, connect the data logger to the computer via USB cable, wait until the !;l 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 o~er battery replacement:
To ovoid time or time zone errors, please make sure you click Quick Reset or Save Parameter before usage to configure your loco/ time into the logger.
Note: The parameter of Interval Shortened is disabled by default. If you set it to Enable. it will auto shorted the fogging interval to once per
minute if it exceeds temperature/humidity limit(s).

5. Start Logging

Press Button: Press and hold the ► button for S seconds until the icon shows on the LCD, indicating the logger starts logging.
Note: If the ► icon keeps flashing, it means the logger configured with start delay; it wi/1 start fogging ofter the set delay time elapses.

6. Stop Logging

Press Button*: Press and hold the button for S 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: Connect the logger to your computer; open ElitechLog software, click Summary menu and Stop Logging button.
Note: *Default stop is via Press Button, if set as disabled, the button stop function will be invalid; please open the EfitechLog software and click Stop Logging button to stop it.

7. Download Data

Connect the data logger to your computer via USB cable, and wait until the !;;l icon shows on the LCD, then download data via: ElitechLog Software: The logger will auto-upload data to ElitechLog, then please click Export to select your desired file format to export. If data failed for auto-upload, please manually click Download and then repeat above operation.
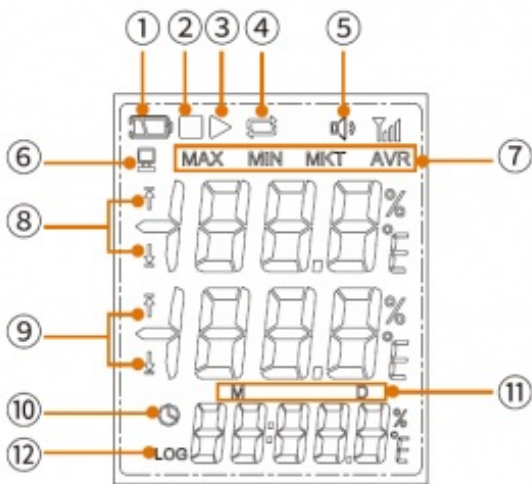
8. Reuse the Logger

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 4, Configure Parameters*, After finished, follow 5. Start Logging to restart the logger for new logging.

Status Indication

1. LCD Screen

1. Battery Level
2. topped
3. Logging
4. Circular Logging
5. Over Limit Alarm
6. Connected to PC
7. Max./Min./MKT/Average Values
8. High/Low Temperature Limit
9. High/Low Temperature/Humidity Limit
10. Current Time
11. month-Day
12. Logging Points

2. LCD Interface

Temperature (Humidity); Logging Points

Maximum, Current Time

Minimum, Current Date

Hight Alarm limit
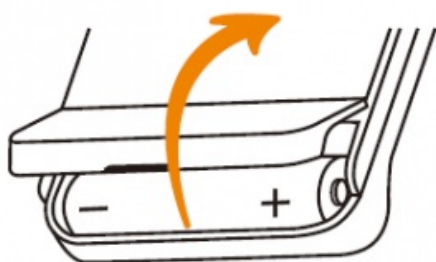
Low Alarm Limit

Average

Probe Not Connected

3. Buttons-LCD-LED Indication

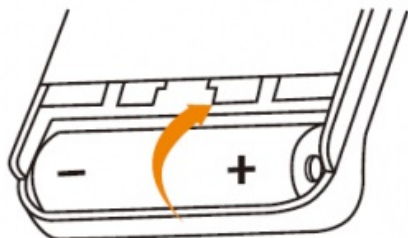| Operation	LCD Display	LED Indicator Flashes	Buzzer Alerts...*	Meaning...
		■ always on		Connected to PC
	↑ ♪ ↓	■ once every 15 seconds	◁) : Beeps 3 times/10 times	High/Low temperature/humidity limit exceeded
	► and ■ not displayed	■ once	◁) : Beeps once	Not started
	►	■ twice	◁) : Beeps twice	Started
Hold for 5 seconds	■	■ 3 times	◁) : Beeps 3 times	Stopped
	► flashes	■ 4 times	◁) : Beeps 4 times	Start delay
Short press	Interfaces switching...			Check/switch interfaces

• To enable buzzer function, please open ElitechLog software and go to Parameter menu-> Buzzer-> Enable.
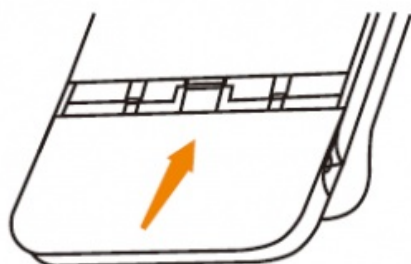
Battery Replacement

1. Open the battery cover, remove the old battery.

2. Install a new ER14505 battery into the battery compartment. Please note the negative cathode is installed to the spring end. l:I1

3. Close the battery cover.

What's Included

- Data Logger x 1
- Temperature-Humidity-Combined Probe   x 1
- ER14505 Battery   x 1
- Temperature Probe   x 1
- USB Cable   x 1
- User Manual   x1
- Calibration Certificate x1

⚠ Warning

↗ Please store your logger at room temperature.

↗ Please pull out the battery insulator strip in the battery compartment before using.

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

↗ Do not remove the battery if the logger is recording.

↗ The LCD screen will be auto off after 15 seconds of inactivity (by default). Press the button again to turn on the screen.

↗ Any parameter configuration on Elitech Log software will delete oil logged doto inside the logger. Please save doto before you apply any new configurations.

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

↗ Do not use the Jagger far Jang-distance transport if the battery icon is less than half as 🔋 ~ .

↗ The glycol filled battle probe can be considered as a thermal buffer that con simulate the actual temperature variations inside, which is suitable far vaccine, medical or similar scenarios.

Default Parameters

Model	RC-61	CSP-6
Logging Interval	15 minutes	15 minutes
Start Mode	Press Button	Press Button
Start Delay	0	0

Stop Mode	Use Software	Use Software
Repeat Start/Circular Logging	Disable	Disable
Time Zone		
Temperature Unit	·c	·c
Low/High Temperature Limit	-30″[/6 □″[	-3 □ "[/60″[
Calibration Temperature	o·c	o·c
Low/High Humidity Limit	10%RH/9 □ %RH	1 □ %RH/90%RH
Calibration Humidity	□ %RH	□ %RH
Button Tone/Audible Alarm	Disable	Disable
Display Time	15 seconds	15 seconds
Sensor Type	Temp (Probe T) + Hurni (Probe H)	Temp (Probe T) + Hurni (Probe H)

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Multi Use Temperature And Humidity Data Logger, RC-61, GSP-6