

Tlog Series User Manual

Reusable PDF Temperature (Humidity) Data Logger

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Model Tlog 100 Tlog 100E

External

-40°C-85°C

Internal

-30°C~70°C

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Tlog series data loggers are used to monitor and record the temperature (humidity) for foods, pharmaceuticals, and other products during their storage and transport, and in each stage of cold chain logistics, such as refrigerated containers/trucks. cooler bags, cooling capients, medical calcinets. Freezers and absorbatries.

Tlog series features a USB port, LCD screen and two buttons designed to prevent accidental touches. You can view device status and parameters by button press, or customize various parameters, such as start/stop modes, multiple thresholds, storage modes, etc. You can also view automatically generated PDF report without using the Eliterinog software. Its Top B100 serias en Blustooth versions that allow operations without opening package via the Eliterin pap. Such as parameter configuration, data viewing, Bluetooth print, etc, that provides simple, practical, and convenient experiences.

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Tiog 100EH

External Temperature

and Humidity

-40°C~85°C

0%RH~100%RH

Digital Temperature and Humidity Sensor

Tlog 100H

Internal Temperature

and Humidity

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① Internal Sensor

② LCD Screen

(4) Button ⑤ USB Port

External

-85°C~150°C

③ LED Indicator

6 External Probe

Tlog 100EC Tlog 100EL

External

-196°C~150°C

Resolution: Temperature: 0.1°C; Humidity: 0.1%RH

Memory: 32,000 points (max)

Logging Interval: 10s ~ 24h

Start Mode: Press button or use software Stop Mode: Press button, use software, or auto stop

Alarm Threshold: Configurable; Temperature: up to 3 high limits and 2 low limits; Humidity: 1 high limit and 1 low limit

Alarm Type: Single, cumulative

Alarm Delay: 10s ~ 24h Data Interface: USB, Bluetooth

Battery: CR2450 3.0V wide-temperature button cell

Battery Life: 2 years for storage and use; cumulatively 180 days at 10 mins logging interval and 25°C (Buletooth not on)

Protection Level: IP65

Dimensions: 115.5 x 47 x 16.2 mm (LxWxH)

Weight: Approx. 70g

1. Download & Install Software

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

First, connect the data logger to the computer via USB cable, walt until the U icon shows on the LCD, then: Configure via Elitechica software. If you do not need to change the default parameters (in Appendix), please click **Quick Reset** under Summary menu to synchronic local time before useger. If you need to change the parameters, please click the **Parameter** menu, enter your preferred parameters, and click **Save Parameter** button to complete the configuration.

Warning! For first time user or ofter battery replacement: To avoid time or time zone enors, piease make sure you click **Quick Reset** or **Save Parameter** before usage to configure you local time into the logger.

Press Button:

Press and hold the left button for 5 seconds und use two.

Press and hold the left button for 5 seconds und use two.

Auto Start.

The logger starts counting after plugged out from the computer.

Timed Start. The logger starts counting after removed from the computer, and will automatically start logging when the set.

Double click the left button to mark current temperature and time, up to 10 groups. After events marked, the LCD will display $\frac{m_{eq}}{m_{eq}}$, currently marked groups and $\frac{SUC}{m_{eq}}$.

Press Button*: Press and hold the right button for 5 seconds until the 🔳 icon shows on the LCD, indicating the logger stops

logging, **Auto Stop:** When the recorded points reach the maximum memory, the logger will stop automatically. **Use Software:** Open ElitechLog software, click **Summary** menu, and **Stop Logging** button.

Note: "Stop via Press Button is the default. If set as disabled, this function will be invalid, please open ElitechLog software and

Connect the data logger to your computer via USB cable, wait until the icon U shows on the LCD, then download

Without software: A PDF report will generate automatically Please find and one his enterous control of the post of the pDF report will generate automatically Please find and one his enterous better glevier. Tog and save the PDF report to your computer for viewing.

**Vis Elitechiag or Abrivers: The logger will auto-upload data to Elitechiag, 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.

To reuse a stopped logger, please connect it to the computer, and make sure you have saved or exported the data

To trace a supplied togger, present clinic in the operation in 2. Configure Parameters*. After finished, please follow 3. Start Logging to restart the logger for new logging.

Warning! "All previous logging data inside the logger will be deleted after re-configuration as to make space for the new

lagging. If you forgot to save/export data, please check and manage the lagger in the History menu of ElitechLog softs

6. Repeat State Simply press and hold the left button to quickly restart the stopped logger without any configuration. Please backup data before Repeat Start, by repeating 6, Download Data, Without ElitechLog Software

1. Turn ON Bluetooth

Press and hold the left and right button for more than 5 seconds until both LED indicators flash and the icon \$ flashes on the top right of the LCD.

Use your mobile browser to scan the QR code below or find Elitech app (the App) on your App Store to download and install It, then register a new account and log in.







3. Configure Parameters

(i) Click the icon on the top left and select Data Logger.
(2) Click the Start menu on the bottom left for parameter configuration, and then click Next on the top right for further







(3) Press and release the right button of the logger, the app will highlight this logger. Click it to view details.

(4) Confirm the parameters and click OK on top right to complete the configuration.







Bluetooth Data Loggers

HSR Data Loggers

Туре

Measuring Range

Model	Tlog B100	Tlog B100E	Tlog B100H		Tlog B100H		Tlog B100H		Tlog B100H		Tlog B100H		Tlog B100H		Tlog B100H		Tlog B100EH
Туре	Internal Temperature	External Temperature	Internal Temperature and Humidity		External Temperature and Humidity												
Measuring Range	-30°C~70°C	-40°C~85°C	-30°C~70°C	0%RH~100%RH	-40°C~85°C 0%RH~100%RH												
Sensor	Digital Temperature Sensor		Digital Temperature and Humidity Sensor		and Humidity Sensor												
Accuracy	Temperature: ±0.3°C (-20°C-40°C), ±0.5°C (others) Humidity: +3%RH (25°C-20%RH-80%RH) +5%RH (others)																

Temperature: ±0.3°C (-20°C~40°C), ±0.5°C (-50°C~85°C), ±1°C (-100°C~150°C), ±2°C (others



1) In Nearby menu page, click on the top right to refresh the device list. Press the right button of the logger, the app will highlight and top this logger, Click the logger and select Read data.





6. Bulk Operation

1) Switch to Nearby menu, click the sub menu Record or Stopped, and then click on the top right to refresh the device list. 2) Hold one logger in the list, and you may switch to multi-select status (IOS APP dick on the top right). Check the loggers and then click Delete, Configure or Read Data to handle several loggers simultaneously.





4, LCD-LED Indication

LCD Display	LED Indicator	Meaning	
•		Started	
		Stopped	
√	flashes once every 10 seconds	Logging normally	
×	flashes once every 10 seconds	High/low temperature limit exceeded.	
🕏 flashes		Bluetooth opened	
🕏 always on	flashes once per second	Data transmission via Bluetooth	

Battery Replacement











After data is read, you may view it in the graph and detailed list. Click the icon ... on the top right to stop the Jogger that is logging, Under Data mend, click Cenerate Report to export your report in the desired format (PDF, Excel), click Print to print the report via the connected Bluetooth printer.







Status Indication

Function	Operation	Indicator		
Start logging	Press and hold the left button for 5 seconds	flashes 5 times		
Stop logging	Press and hold the right button for 5 seconds	■ flashes 5 times		
Mark events	Double click the left button	flash 3 times simultaneously		
Open (close) Bluetooth	Press and hold the left and right buttons for 5 seconds	flash 5 times simultaneously		
Check/Switch interfaces	Press and release the left button	(or) flashes once		
Back to main menu	Press and release the right button	(or) flashes once		



① Function Instruction	⑤ Circular Logging	
② Alarm Status	⑥ Date/Time	
3 Stopped/Logging	① Temperature Value	
Logging Interval/Logging Points/Humidity Value	® Battery Level	
Points/Humidity Value	Bluetooth	

- ◆ Temperature (Humidity) Data Logger x 1
- User Manual x1
 Certificate of Verification x1
 Certificate of Quality x1

▲ Warning!

- Please store your logger at room temperature.
 If you use the logger for the first time, please use ElitechLog software to synchronize system time and configure.
- The LCD screen will be automatically off after 15 seconds of inactivity. Press the button again to turn on the screen.
 Parameter configuration on ElitechLog software will clear previously recorded data inside the logger. Please save all
- history data before you apply new configurations.

 To ensure the humidity accuracy, please avoid contact with unstable chemical solvents or compounds, especially avoid
- toluene, etc.

 Do not use the logger for long-distance transport if the battery icon is less than half as .
- Before using the Bluetooth data logger, please turn on its Bluetooth function first.

5. Scan Bar Code for parameter configuration and data viewing

Switch to **Nearby** Menu, then click the icon on top right to scan the bar code at the back of the logger for a further operation (Configure, Read Data).





5. CCD Interface			
1. Not started	234	8. Current time	082508
2. Timed (Delay) start	234. 235800	9. Marked - Marked events	B SUCC
3. Started	? 23% 3.8s	10. Marked events full	FULL
4. Logging points	10000	11. Sensor error	Erri
5. Maximum	7 4 4 588s	12. PDF generation progress	PdF 38x
6. Minimum	21 k	13. USB communicating	234
7. Current date	703-25		

Default Parameter Configurations

Parameter	Default	Remark	Parameter	Default	Remark
Logging Interval	10 min		Repeat Start	Disable	
Start Mode	Press Button		High Temperature Limit H3	1	
Start Delay	1		High Temperature Limit H2	1	
Press Button	Enable		High Temperature Limit H1	8°C	
Temporary PDF	Enable		Low Temperature Limit L1	2°C	
Temperature Unit	'n		Low Temperature Limit L2	1	
Time Zone	UTC+8:00		Calibration Temperature	0°C	
Circular Logging	Disable		High Humidity Limit	/	
Alarm Mode	Multiple Alarms		Low Humidity Limit	/	
Alarm Type	Single		Calibration Humidity	/	
Alarm Delay	1				