THERMADATA®
HUMIDITY & TEMPERATURE LOGGER

Operating Instructions

SOFTWARE - Install the ThermaData® Hub app which can be downloaded free from etiltd.com/software. For further queries, please contact our technical sales team on 01903 202151 or technical@etiltd.com

SETTING UP THE LOGGER - Open and log in to ThermaData Hub on your PC. Once logged in, navigate to the sidebar and select 'ThermaData Loggers'. Connect your logger to the PC using a USB-C® cable and select it from the list of available devices. After selecting the device, click on 'Update Device Settings' to begin configuring the logger.

Enter the Instrument name and choose the preferred temperature scale (°C or °F). If required, enable Multi Log, which allows the logger to be started and stopped up to ten times without the need to download results between sessions.

Next, adjust the Log Interval, specifying how frequently the instrument will record data in hours, minutes, and seconds.*
Set the LCD Refresh Rate to determine how often the display updates, regardless of the logging interval. If left blank, the LCD Refresh Rate will be set at the same rate as the Log Interval.*
*Any log interval or LCD refresh rate less 1 minute will severely reduce battery life of the instrument.

For the 'Start' method, you will need to select from the following options: start with button press, start with a button press that includes a start delay, start with software, or set to start at a specified time or date, or when a specified temperature is reached.

For the 'Stop' method, you can choose to stop the logger with a button press, automatically stopping when the device memory is full (120,000 or 2 x 60,000 readings), end the session after a predetermined number of readings, when connected via USB, or at a specified time or date.

Please note: when 'Multi Log' is enabled, start and stop methods are restricted to button press only.

Finally, configure the sensor settings. For Sensor 1, assign a name and set the high and low temperature limits. Depending on the model, repeat for Sensor 2 or disable sensor 2 if not required. Once all settings are configured and sent to the instrument, the logger will be ready for use.

READING THE LOGGER - Open and log in to ThermaData Hub on your PC. Once logged in, navigate to the sidebar and select 'ThermaData Loggers'. Connect your logger to the PC using a USB-C cable and select it from the list of available devices. After selecting the device, click on 'Download Data' to retrieve the data. After the download is complete, name the downloaded log session, then save and close. A list of log sessions will appear at the bottom of the page; click on each session to view the data, which can be displayed in either a table or graph format.

WARNING - Do not expose the thermometer to temperatures over 85 °C or use in ovens, this will result in incorrect readings or damage to the thermometer.

BUTTON FUNCTIONALITY

ACTION

- Single press when the LCD shows 'rdy' to start the logger.
- Press and hold for 3 seconds to stop the logger (Only available if programmed to do so via the Software).

FUNCTION

- Single press to cycle though the max and min temperature.
- Press and hold to reset the max and min. If an alarm has been triggered, this will also remove the alarm status on the display.

Please note: Max and Min will still be available in the software after a data download.

LED INDICATIONS - See the table below for LED indications that the ThermaData Logger can perform whilst recording data:

	Blinking every 10 seconds	Instrument is logging
	Blinking every 10 seconds	Temperature is outside the high or low limits (LCD will also display **ALARM HI/LO**)
	Blinking every 10 seconds	The temperature is currently within limits, but a previous reading was out of range and triggered an alarm.
	Flash 3 times then LCD shows **FULL**	Memory is full

LCD INDICATIONS - Below is a list of LCD messages that can be displayed on the ThermaData Logger.

USb	Connected to PC and the logger is not logging.
Strt	Displays for one second when a new log starts.
Rdy	The logger is ready and waiting for configuration or to start a new log.
StoP	Logging has stopped because the stop method has been met.
dELy	The action button has been pressed and in start delay before logging.
End	Logging is complete after meeting the stop method.
FULL	Memory is full.
rSt	Max/Min readings have been reset and alarms cleared.
DfU	The logger is in DFU mode.
LoAd	The logger is loading data from the last log on startup; **do not interrupt*.**

*interrupting during LoAd could cause loss of data or errors with the instrument

BATTERY CHANGE - This instrument is fitted with 1 x 2/3 AA 3.6v Li-CoCl2 lithium battery. Failure to use the correct type of battery could result in damage or errors within the instrument.

GUARANTEE - This instrument carries a two-year guarantee against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ETI, be either repaired or replaced without charge. This guarantee does not apply to probes, where a six-month period is offered. The product guarantee does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. Full details of liability are available within ETI's Terms & Conditions of Sale at etiltd.com. In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

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