## Calibration Certification

Calibration certificates for all of Lascar's temperature and humidity data loggers are available to purchase. For custom-specific or multiple temperature points, please contact the Lascar sales team for further pricing.
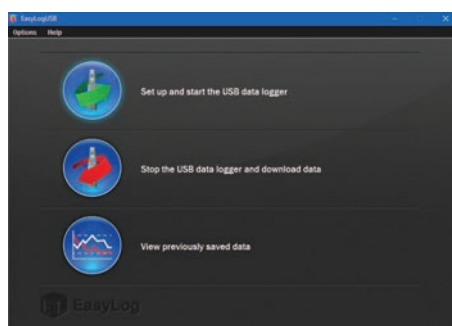
EasyLog

**EL-GFX**

# Quick Start Guide

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**1** **Welcome! Let's set up your EL-GFX**
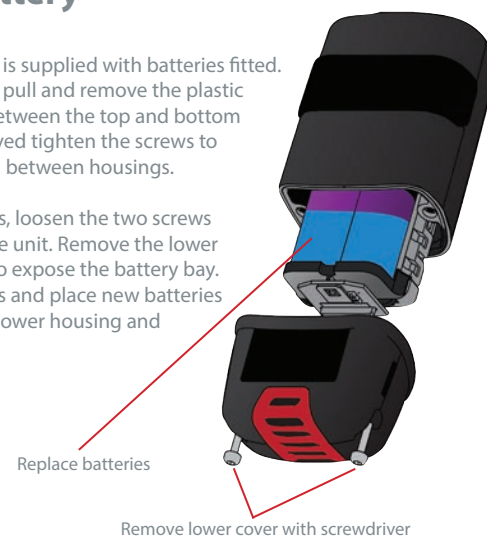**First Install Your Software & USB Driver**
Windows ™ 7, 8.1 and 10

**2** **Install Your Battery**

- Your EL-GFX data logger is supplied with batteries fitted. To connect the batteries pull and remove the plastic tag located at the join between the top and bottom housing. With this removed tighten the screws to ensure a waterproof seal between housings.

- When replacing batteries, loosen the two screws located at the base of the unit. Remove the lower portion of the housing to expose the battery bay. Remove the old batteries and place new batteries in position. Replace the lower housing and tighten the screws.

Replace batteries

Remove lower cover with screwdriver

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**3** **Your Data Logger Is Ready For Use**

Ensure the batteries are correctly installed.

- Connect the data logger to an available USB port on your PC using the micro USB cable provided.

- Double click on the EasyLog USB icon on your Windows™ desktop. This will load the configuration software. Set-up the data logger for a new log, download a data logger that has been recording, view previously saved data in graph format and check the current status of the attached data logger (including the serial number).

- When setup is complete, the data logger should be disconnected from the USB port to begin recording. If you would like advice on how best to use the data logger for a particular application, please contact your nearest Lascar representative.

- **Do not leave your data logger connected to the USB port as this will cause some of the battery capacity to be lost.**
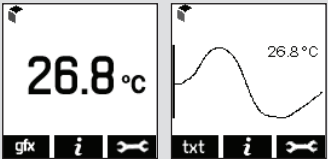
## Getting To Know Your EL-GFX Logger

Status LEDs

128x128 Backlit LCD

Audible Alarm

USB Port

Menu Buttons

Mounting Clip

Battery cover screws

Sensor/Input

*Model shown: EL-GFX-1. Other models may differ*

- USB Cover: This USB port cover gives IP6 protection* to your data logger when fitted.

- Mounting Clip: The plastic mounting clip supplied allows wall mounting if required or to metal surfaces using the integrated magnet.

- Micro USB Cable: The micro USB cable allows connection to the PC for programming or data download. Use in conjunction with a USB wall adapter for continuous mains power.

- 2x ½ AA Batteries: The unit is powered when the 2x ½ AA batteries are installed. Batteries are user replaceable when drained.

* The EL-GFX-DTC, EL-GFX-DTP & GFX-D2 are not IP-rated

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## Menu Button Functions and LCD Screen Indication

### START LOGGER

- Loggers can be started immediately on a button press, delayed to a specific time or delayed to specific reading

### DISPLAY DATA

- Data can be displayed on screen in digital or graphical format
- You can switch between these views by pressing the **gfx** / **txt** buttons at the bottom-left of your screen

### ON-SCREEN ICONS

- When this EasyLog cube is spinning in the top-left corner your logger is logging
- High/Low Alarm indicators are displayed at the top of your screen
- This icon indicates that your battery is low and will need to be replaced soon

### STOP/START LOGGING & MUTE ALARM

- By pressing the button, you can stop your logger, or view logger settings. If you have already stopped logging, this option will change to 'Start Logging'. The audible alarm can be muted from this menu if enabled

### SUMMARY DATA

- Summary screen displays minimum and maximum logs. Reset function clears summary if required
- These screens can be reached by pressing the **i** button

### LOGGER SETTINGS

- To view a summary of the logger's settings press the button, then click 'Logger Settings'

### LOCKED MODE

- When in locked mode - an option during PC set-up - the logger can only be stopped and re-started using a PC loaded with the unit's configuration software

### POP-UP MESSAGES

- A message will overlay the screen - if there is an issue - the next time a button is pressed, e.g. if the logger is running low on memory

*Please note that screens may vary slightly depending on model. EL-GFX-1 screens shown.*

## GFX Family Of Data Loggers

| Part No | Function | Range | Accuracy (overall error) Typ. | Max. | Readings Per Channel | Battery | Battery Life |
|---|---|---|---|---|---|---|---|
| EL-GFX-1 | Temperature | -30 to +80°C (-22 to +176°F) | ±0.1°C (±0.2°F) | ±0.75°C (±1.5°F) | 250,000+ | 2 x ½ AA | 6 months |
| EL-GFX-2 | Temperature & Humidity and Dew-point | -30 to +80°C (-22 to +176°F) 0 to 100%RH | ±0.5°C (±1.0°F) ±3.0%RH | ±2.0°C (±4.0°F) ±5.0%RH | 250,000+ | 2 x ½ AA | 6 months |
| EL-GFX-2+ | Increased Accuracy Temperature, Humidity and Dew-point | -30 to +80°C (-22 to +176°F) 0 to 100%RH | ±0.3°C (±0.6°F) ±2%RH | ±1.5°C (±3.0°F) ±4%RH | 250,000+ | 2 x ½ AA | 6 months |
| EL-GFX-DTC | Dual-Channel Thermocouple (J, K and T-type) | -200 to +1350ºC (-328 to +2462ºF) (K-type) -200 to +1190ºC (-328 to +2174ºF) (J-type) -200 to +390ºC (-328 to +734ºF) (T-type) | ±0.5°C (±0.9°F) | | 250,000+ | 2 x ½ AA | 6 months |
| EL-GFX-DTP | Dual-channel thermistor | -40 to +125°C (-40 to +257°F) | ±0.1°C (±0.2°F) | | 250,000+ | 2 x ½ AA | 6 months |
| EL-GFX-D2 | Dual-Channel Temperature, Humidity & Dew-point | -40°C to +80°C (-40°F to +176°F) 0 to 100%RH | ±0.5ºC (±1.0ºF) ±3.0%RH | ±2.0ºC (±4.0ºF) ±5.0%RH | 250,000+ | 2 x ½ AA | 4 months |

**EasyLog**

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