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

Getting To Know Your EL-GFX Logger

- Status and alarm LEDs
- Audible Alarm
- 128x128 Backlit LCD
- USB Port
- Menu Buttons
- Mounting Clip
- Battery Cover Screws

Channel 1 and 2 Probe Connectors (EL-GFX-D2 only)

Visit www.lascarelectronics.com and navigate to the product page of your logger. Find the datasheet in the resources section.

- **USB Cover:** This USB port cover gives IP67 protection* to your data logger when fitted.
  * The EL-GFX-DTC, EL-GFX-DTP & GFX-D2 are not IP-rated

- **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.

- **Temp / RH External Probe:** (EL-GFX-D2 only) When connected to the data logger the probe can be placed in the area to be monitored. The data logger itself can be located elsewhere if more convenient.
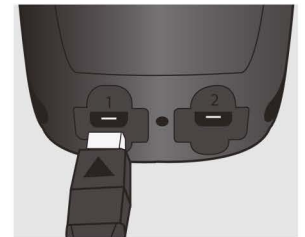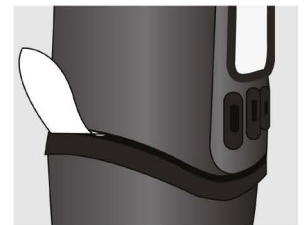
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① Activate the Data Logger and Connect Your Probe (if using EL-GFX-D2)

- 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.

- If using an EL-GFX-D2, insert your external probe into Channel 1 (one probe) or into both Channel 1 and 2 if using two probes.
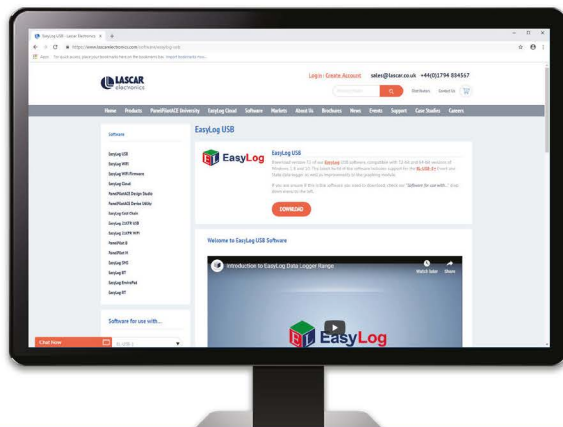

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② Install Your Software & USB Driver
Windows ™ 7, 8.1 and 10

- Visit www.lascarelectronics.com/software/easylog-usb and click "Download". Follow on-screen instructions to download both software and drivers.

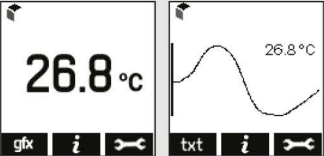### ③ Your Data Logger Is Ready To Set-Up

USB Port

- 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. You can 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).
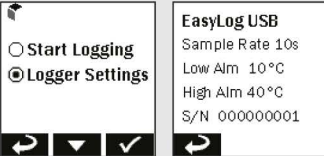
EasyLog USB

- Follow the on-screen instructions to set up your logger including naming it, setting a sample rate and setting up alarms. 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.

Menu Button Functions and LCD Screen Indication

START LOGGER

ARMED! Press button to start logging ✓

DELAYED START Starts logging at 10:30:00 04/03/12

DELAYED START Starts logging when temperature above 36.2°C

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

DISPLAY DATA

26.8 °C | gfx | i | 🔧

26.8°C | txt | i | 🔧

- 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

↑ ALARM ↓ ALARM

- 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

- ◉ Stop Logging
- ○ Logger Settings
- ↩ ▼ ✓

- ◉ Start Logging
- ○ Logger Settings
- ↩ ▼ ✓

↓ ALARM
- ◉ Mute Alarm
- ○ Stop Logging
- ○ Logger Settings
- ↩ ▼ ✓

- 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 & RESET

Temperature
Max 34.8°C
Min 22.8°C
Since
10:30 24/09/2012
▼ reset ↩

Mem Used 32%
Readings 6336

- 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

- ○ Start Logging
- ◉ Logger Settings
- ↩ ▼ ✓

EasyLog USB
Sample Rate 10s
Low Alm 10°C
High Alm 40°C
S/N 000000001
↩

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

LOCKED MODE

🔒 **Locked Mode**
gfx | i | 🔧

- 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

Time & date not set Start unit logging using PC | gfx | i | 🔧

Memory is 90% full Download data to a PC to clear | gfx | i | 🔧

Memory full, logger stopped Download data to a PC to clear | gfx | i | 🔧

- 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.
EL-GFX-1	Temperature	-30 to +80°C (-22 to +176°F)	±0.1°C (±0.2°F)	±0.75°C (±1.5°F)
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
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
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)	
EL-GFX-DTP	Dual-channel thermistor	-40 to +125°C (-40 to +257°F)	±0.1°C (±0.2°F)	
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

All loggers have 250,000+ reading pers channel

Replacing Your Battery:

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