EL-GFX-VAC2

Dual Channel High Accuracy Thermistor Glycol Probe Data Logger with Graphic Screen



- -40 to +125°C (-40 to +257°F) measurement range
- Stores over 250,000 readings
- Logging rates between 2 seconds and 1 hour
- On screen menu and graphing to start, stop, review and restart the logger in the field
- Triggered logging mode to start recording data once a user defined level is met
- High contrast, greyscale, backlit, graphic LCD screen to denote status and alarm levels
- User-programmable audible alarm thresholds with highly visible confidence/alarm LEDs
- EasyLog software available as a free download

This standalone data logger measures and stores over 250,000 temperature readings over a -40 to +125°C (-40 to +257°F) range at a resolution of 0.1°C (0.2°F).

The user can easily set up the logger and view downloaded data by plugging the data logger into a PC's USB port and using the available free downloadable EasyLog software. Data can then be graphed, printed and exported to other applications.

The data logger features a high contrast dot-matrix LCD and three buttons to navigate through an on-screen menu. This menu provides the user with access to real-time trend analysis, data summaries and the ability to start, stop and restart the data logger without the need to connect the data logger to the host-PC. Users can reset the maximum / minimum reading using the on-screen menu. This introduces an 'event marker' into the data which can later be viewed in the graphing software ('Mark Events' option) and the data file after download.

The data logger is supplied complete with two lithium metal batteries, which can typically allow logging for up to 4 months.

SPECIFICATIONS

Type 2 Probe *(Supplied)*	**Measurement Range**	-40 to 125°C (-40 to 257°F)
	Accuracy *(-10 to 70°C / 14 to 158°F)*	±0.3°C (±0.5°F)
	Accuracy *(-40 to 125°C / -40 to 257°F)*	±1°C (±1.8°F)
Accuracy *(Logger error)*		±0.1°C (±0.2°F)
Internal Resolution		0.1°C (0.2°F)
Logging Rate		Every 2 seconds to 1 hour
Operating temperature Range		-10 to 40°C (14 to 104°F)
2X 1/2 AA 3.6V Lithium Battery Life		4 months
Dimensions		101 x 48.5 x 30.5mm (3.97 x 1.90 x 1.20")

ACCESSORIES

BAT 3V6 1/2AA	Replacement battery (2 required)
EL-P-VAC	Replacement thermistor glycol probe

INCLUDED IN THE BOX

x2 BAT 3V6 1/2AA	Battery
CABLE USB A-MICRO B	USB cable
EL-GFX WALL BRACKET	Magnetic mounting bracket
x2 EL-P-VAC	Thermistor glycol probes
CAL-TEMP-UK	Temperature Calibration certificate

CALIBRATION CERTIFICATES INCLUDED

The EL-GFX-VAC2 comes with a calibration certificate issued at 2 and 8°C, using reference equipment which has been calibrated by a UKAS/NIST accredited laboratory and using apparatus traceable to national or international standards. For more information, please see **www.lascarelectronics.com**.

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EASYLOG SOFTWARE

Lascar's EasyLog control software is available as a free download from www.easylogusb.com. Easy to install and use, the control software is compatible with 32-bit and 64-bit versions of Windows 7, 8 and 10. The software is used to set up the logger, download, graph and annotate data or export in Excel, PDF and jpeg formats.

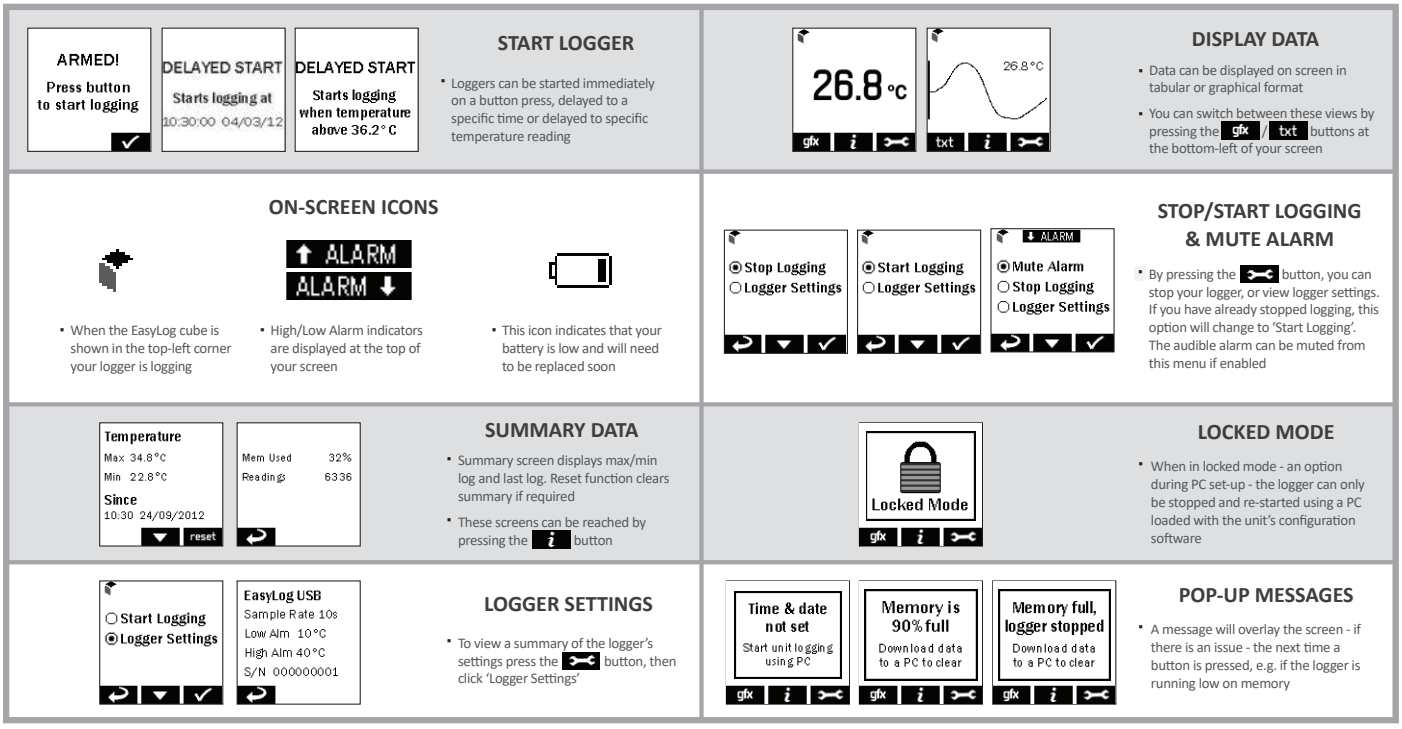


The software allows the following parameters to be configured:

- Logger name
- Measurement parameter (°C or °F)
- Logging rate (user selectable between 2 seconds and 1 hour)
- Display off, on for 30 seconds after button press, or permanently on
- High and low alarms
- Disable or enable LEDs and sounder with delayed activation
- Immediate, delayed, triggered and push-to-start logging

Download the latest version of the software free of charge from www.easylogusb.com

MENU BUTTON FUNCTIONS AND LCD SCREEN INDICATION

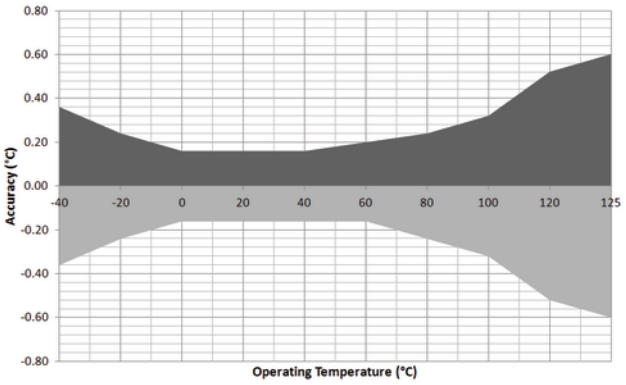


Please note that screens may vary slightly depending on model.

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PROBE MESUREMENT ACCURACY



BATTERY INFORMATION

Replacement

We recommend that you replace the battery every year, or prior to logging critical data. Only use 3.6V ½AA lithium batteries. The data logger does not lose its stored readings when the battery is discharged or replaced; however, the data logging process will stop and will not resume until the battery is replaced and the logger restarted by EasyLog software.

Before replacing the battery, remove the data logger from the PC. Please note that leaving the data logger plugged into the USB port for extended periods will cause some of the battery capacity to be lost.

Passivation

If left unused for extended periods of time, lithium batteries including those used in the EasyLog range of data loggers naturally form a non-conductive internal layer, preventing them from self-discharge and effectively increasing their shelf life. When first installed in the data logger, this may cause a momentary drop in the battery voltage (the Transient Minimum Voltage) as the internal layer is broken down, resulting in the data logger resetting. Inserting the batteries in the data logger and leaving it connected to a PC for about 30 seconds will remove this layer. After this, remove and re-install the batteries to reset the data logger. Overall battery life will not be affected.

WARNING

Handle lithium batteries carefully, observe warnings on battery casing. Dispose of in accordance with local regulations.