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Lascar 1800013

Lascar Electronics EL-DataPad User Manual

MODEL: EL-DATA PAD (1800013)

1. Introduction

The Lascar Electronics EL-DataPad is a portable, handheld device designed to streamline the process of configuring and downloading data from compatible EL-USB data loggers. It enables on-site viewing of logged data and graphic trends, reducing the need to return loggers to a PC for data retrieval. This manual provides essential information for the proper setup, operation, and maintenance of your EL-DataPad.

2. Key Features

- Handheld programmer and data collector for EL-USB data loggers.
- Enables on-site data retrieval and viewing without removing the logger.
- Collects and stores data from up to 500 EL-USB data loggers.
- Allows for quick setup of compatible EasyLog USB data loggers in the field.
- Features a 2.8-inch (71 mm) TFT touch-screen interface for intuitive menu navigation.
- Displays downloaded data in general trend and summary screens.
- Data transfer to a computer via an included Micro USB cable.
- Downloaded data can be graphed or exported to Excel using EasyLog software.
- Integral rechargeable lithium polymer battery provides up to 8 hours of operation.

3. Package Contents

Verify that all items are present in your EL-DataPad package:

- EL-DataPad Handheld Programmer and Data Collector
- Rechargeable Lithium Polymer Battery (pre-installed)
- USB Cable (3.2 ft / 1 m)

4. Setup

4.1 Initial Charging

Before first use, fully charge the EL-DataPad's internal lithium polymer battery. Connect the supplied USB cable to the Micro USB port on the EL-DataPad and the other end to a powered USB port (e.g., computer, USB wall adapter). The charging indicator on the device will provide status.

4.2 Powering On/Off

Press and hold the power button (location specified in device diagram) to turn the EL-DataPad on or off. The touchscreen will illuminate upon startup.

4.3 Connecting an EL-USB Data Logger

To connect an EL-USB data logger, simply plug it directly into the USB port located on the EL-DataPad. The device will automatically detect the connected logger.



Figure 1: Lascar EL-DataPad Handheld Programmer and Data Collector. This image shows the device with its touchscreen interface displaying options for 'Set-Up Logger', 'Stop Logger & Download', and 'View Data'. The device features a black and gray casing with a visible USB port at the bottom for connecting data loggers.

5. Operating Instructions

The EL-DataPad features a user-friendly 2.8-inch TFT touchscreen interface. Navigation is performed by tapping the desired options on the screen.

5.1 Main Menu Options

Upon connecting an EL-USB data logger, the main menu will typically present the following options:

- **Set-Up Logger:** Allows you to configure the settings of a connected EL-USB data logger, such as logging rate, start mode, and alarm thresholds.
- **Stop Logger & Download:** Initiates the process to stop an active data logger and transfer its recorded data to the EL-DataPad's internal memory.
- **View Data:** Accesses the data stored on the EL-DataPad. You can view data in summary form or as graphical trends.
- **Settings:** Accesses device settings such as date, time, and display brightness.

5.2 Data Transfer to PC

To transfer data from the EL-DataPad to your computer:

1. Connect the EL-DataPad to your computer using the supplied Micro USB cable.
2. The EL-DataPad will appear as a removable storage device on your computer.
3. Navigate to the EL-DataPad's storage. Downloaded data is saved in **.Csv format**, making it compatible with spreadsheet software like Microsoft Excel.
4. For advanced graphing and analysis, use the **EL-WIN-USB software**, which is compatible with the EL-USB data loggers.

6. Maintenance

6.1 Cleaning

Clean the EL-DataPad's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the casing or screen. Ensure the USB ports are free from dust and debris.

6.2 Battery Care

The EL-DataPad contains a rechargeable lithium polymer battery. To prolong battery life:

- Avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use for extended periods.
- Recharge the battery periodically if stored for a long time to prevent deep discharge.

6.3 Storage

When not in use, store the EL-DataPad in a protective environment, away from extreme temperatures, direct sunlight, and high humidity. A protective cover (available separately) can enhance durability and grip.

7. Troubleshooting

If you encounter issues with your EL-DataPad, refer to the following common solutions:

- **Device not powering on:** Ensure the battery is charged. Connect the device to a USB power source and attempt to power on again.
- **Data logger not detected:** Ensure the EL-USB data logger is securely plugged into the EL-DataPad's USB port. Check if the data logger itself is functioning correctly.
- **Data transfer issues to PC:** Verify the USB cable connection between the EL-DataPad and your computer. Try a different USB port on your computer. Ensure your computer's operating system recognizes the EL-DataPad as a storage device.
- **Touchscreen unresponsive:** Perform a soft reset by holding the power button until the device powers off, then restart it. If the issue persists, contact customer support.

8. Specifications

Product Type	Data Logger Programmer
Model Number	1800013
Display	2.8 inch (71 mm) TFT Touch-Screen

Compatible Loggers	EL-USB-1, EL-USB-1-LCD, EL-USB-1-Pro, EL-USB-2, EL-USB-2+, EL-USB-2-LCD, EL-USB-2-LCD+, EL-USB-TC, EL-USB-TC-LCD, EL-USB-LITE
Data Storage Capacity	Data from up to 500 EL-USB data loggers
Battery Type	Rechargeable Lithium Polymer
Battery Life	Up to 8 hours (typical)
Data Output Format	.Csv (for PC transfer)
Dimensions	4 1/4" x 2 5/8" x 3/4" (107 x 68 x 19 mm)
Weight	Approximately 6.4 ounces

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Lascar Electronics website. Keep your proof of purchase for warranty claims.

Manufacturer: LASCAR ELECTRONICS INC

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Related Documents - 1800013

	<p><u>EL-USB-2-LCD Data Logger: Temperature, Humidity, and Dew Point Measurement</u></p> <p>Learn about the Lascar EL-USB-2-LCD, a standalone data logger for temperature, humidity, and dew point with an LCD screen. Features include high accuracy, large storage, free EasyLog software, and IP67 protection.</p>
	<p><u>Lascar EL-USB-ACT Current/Voltage Data Logger Quick Start Guide</u></p> <p>This quick start guide provides essential information for setting up and using the Lascar EL-USB-ACT Current/Voltage Data Logger, including software installation and basic operation.</p>
	<p><u>Lascar EL-USB-1-PRO Installation and Operation Guide</u></p> <p>Comprehensive guide for installing, operating, and troubleshooting the Lascar EL-USB-1-PRO temperature data logger. Includes setup, software installation, and environmental disposal information.</p>

 Quick Start Guide	<p><u>EasyLog EL-USB Data Logger Quick Start Guide Lascar Electronics</u></p> <p>A quick start guide for the Lascar Electronics EasyLog EL-USB series of data loggers, covering software installation, usage, battery replacement, and an overview of the EasyLog product range.</p>
 EL-USB-TC Thermocouple Data Logger with USB Interface	<p><u>EL-USB-TC Thermocouple Data Logger with USB Interface - Lascar Electronics</u></p> <p>Detailed overview of the Lascar EL-USB-TC thermocouple data logger, featuring temperature measurement ranges for J, K, and T types, USB interface, programmable alarms, and LED status indicators. Includes specifications, software details, and product range comparison.</p>
	<p><u>Lascar EL-IOT Wireless Cloud-Connected Data Logger Quick Start Guide</u></p> <p>Get started quickly with the Lascar EL-IOT wireless data logger. This guide covers device setup, indicators, safety, and button functions for cloud-connected data logging.</p>