LASCAR electronics

Lascar's range of USB data loggers measure and record a variety of parameters such as temperature, humidity, voltage, current and carbon monoxide. Simply insert any of these loggers into your computer's USB port, name it, choose your required sampling rate, set high and low alarms if required and set the logger start time. Once configured, the logger can be removed from the computer to log independently. Data is downloaded back onto the PC where it can be analyzed and viewed as a graph. All loggers are supplied with FREE configuration software and a 3.6 V battery.

Temperature USB Data Loggers

EL-USB-1

EL-USB-1-LCD

EL-USB-1-PRO

- −35° to +80°C (−40° to +125°C for PRO) Measurement Range
- More Than 16,000 Reading Capacity
- Programmable Sample Rates from 10 Sec to 12 Hours
- High and Low Alarm Thresholds with LED Indication
- Waterproof Seal to IP67/NEMA 4X Standard
- High Contrast 2½ Digit LCD Shows Latest Log and Min/Max Log

Stock No.	Mfr.'s Type	Function	EACH
70101384	EL-USB-1	Temp Data Logger	59.95
70101423	EL-USB-1-LCD	Temp Data Logger with LCD Display	80.00
70101405	EL-USB-1-PRO	Extended Temp Range Data Logger	150.00

Temperature/RH USB Data Loggers

EL-USB-2

EL-USB-2-LCD

- −35° to +80°C (−31° to +176°F) and 0 to 100% Relative Humidity Measurement Range
- More Than 16,000 Reading Capacity on Each Range
- Programmable Sample Rates from 10 Sec to 12 Hours
- High and Low Alarm Thresholds with LED Indication
- Translucent Cap Provides Waterproof Seal to IP67/NEMA 4X Standard
- EL-USB-2-LCD Also Includes 2½-Digit, High-Contrast LCD Display Showing Latest Log and Max/Min Log
- EL-USB-2-LCD Also Has Immediate, Delayed and Push-to-Start Logging
- EL-USB-2+ and EL-USB-2-LCD+ Have Higher Accuracy Sensor

Stock No.	Mfr.'s Type	Function	EACH
70101385	EL-USB-2	Temp/RH Data Logger	88.92
70101402	EL-USB-2-LCD	Temp/RH with LCD Display	107.17
70101404	EL-USB-2+	High Accuracy Temp/RH/Dew Point Data Logger	110.00
70101419	EL-USB-2-LCD+	High Accuracy Temp/RH/Dew Point with LCD Display	125.00

Thermocouple USB Data Loggers

EL-USB-TC

EL-USB-TC-LCD

EL-USB-TC
- −200 to +1350°C (−328 to +2462°F) Measurement Range (Thermocouple Dependent)
- More Than 32,000 Reading Capacity
- Accepts J, K and T Type Thermocouple Input via a Connector in the Base

EL-USB-TC-LCD
- High Contrast LCD, with 4-Digit Temperature Display (EL-USB-TC-LCD)
- More Than 32,000 Reading Capacity
- Programmable Sample Rates from 1 Sec to 12 Hours
- Supplied with K-Type Probe

Stock No.	Mfr.'s Type	Description	EACH
70101396	EL-USB-TC	Thermocouple Data Logger	87.57
70101406	EL-USB-TC-LCD	Thermocouple Data Logger with LCD Display	102.00

Stand-Alone Data Logger with Large Memory Capacity

NEW

This robust IP67/NEMA 4X rated construction data logger stores up to 256,000 readings with on-screen programming, data download and graphing independent of the computer. Mini USB interface allows for PC based set-up and download if required. Also includes a high contrast graphic screen with white backlight, logging rates between 1 sec and 12 hrs, user programmable alarm thresholds, audible alarms, status LEDs and ×2 user replaceable batteries.

- EL-GFX-1: Temperature Range: −40 to 80°C/−40 to 176°F

Stock No.	Mfr.'s Type	Function	EACH
70229354	EL-GFX-1	Temperature Data Logger with graphic screen	135.00

Voltage USB Data Logger

EL-USB-3 VOLTAGE DATA LOGGER

- 0 to 30 VDC Measurement Range
- More than 32,000 Reading Capacity
- High and Low Alarm Thresholds with LED Indication
- Programmable Samples Rates from 1 Sec to 12 Hours
- Measurements from a Variety of External Sensors Can Be Taken with Connection Via Screw Terminals Located in Cap

Stock No.	Mfr.'s Type	Function	EACH
70101386	EL-USB-3	Voltage Data Logger	81.61

4-20 mA USB Data Logger

EL-USB-4 4-20mA DATA LOGGER

- 4 to 20 mA Measurement Range
- More than 32,000 Reading Capacity
- High and Low Alarm Thresholds with LED Indication
- Programmable Sample Rates from 1 Sec to 12 Hours
- Measurements from a Variety of External Sensors Can Be Taken with Connection Via Screw Terminals Located in Cap

Stock No.	Mfr.'s Type	Function	EACH
70101387	EL-USB-4	4-20 mA Data Logger	81.61

WiFi Temperature/RH USB Data Loggers

NEW

The EL-WIFI-TH data logger measures temperature and relative humidity in the environment which it is placed. EL-WIFI-TP measures temperature with a versatile external probe. During setup of each module, the user selects the required WiFi network, names the logger, chooses the sample and transfer-to-PC rate as well as high and low alarms. Once programmed, the units can be placed in range of the WiFi network transferring data to the PC for on-screen viewing.

- Easy Setup Using USB Cable and PC Software (Included)
- View Multiple Sensors via PC
- Logs Data Even When Disconnected from Network
- Recharge Lithium Polymer Battery from USB Port
- Shows Min/Max/Last Log, Alarm and Battery Status
- Program Settings Remotely Via PC

EL-WIFI-TH

Stock No.	Mfr.'s Type	Function	EACH
70234792	EL-WIFI-TH	−20°C to 60°C (−4°F to 140°F) and 0 to 100% Relative Humidity	185.00
70234795	EL-WIFI-TP	−40°C to 125°C (−40°F to 257°F) via external probe	150.00

Portable Viewer for EL-USB Data Loggers

The EL-DATAPAD allows users with an EL-USB data logger to download data and view results on the spot rather than taking it back to the PC. Simply connect a logger to the EL-DATAPAD via the USB port to download and view logged data. The EL-DATAPAD will show the last 100 downloads on screen in numerical and graph format. The internal SD card can store readings from up to 500 loggers which can be transferred to a PC using direct USB connection. A quick restart option allows users to re-program and start loggers in the field. The EL-DATAPAD is rechargeable via its USB connection. For use with EL-USB-1, EL-USB-1-LCD, EL-USB-2, EL-USB-2+, EL-USB-2-LCD, EL-USB-2-LCD+, EL-USB-TC, EL-USB-TC-LCD and EL-USB-1-PRO.

- 2.8" Color Touch Screen Allowing Easy Set-up and Download
- 2 USB Ports (Type A to Connect Data Loggers, Micro-USB to Connect to a PC)
- Data Transferable to PC Via Micro-USB
- Holds Data From At Least 500 Loggers
- Rechargeable Lithium Polymer Battery
- Quick Restart Option to Set-Up and Start Loggers

Stock No.	Mfr.'s Type	Function	EACH
70101428	EL-DATAPAD	Portable Viewer for EL-USB Data Loggers	218.59
70230054	EL-DATAPAD-BOOT	Protective Sleeve for EL-DATAPAD	15.00
70101391	BATT 3V6	3.6 V Battery	4.19
70101398	EL-USB-CASE	Waterproof Case for EL-USB-1	20.40
70101424	BATT 3V6 2/3AA	3.6 V Battery for EL-USB-1-PRO	15.00

AC and DC Millivolt Data Logger — Current Clamp Compatible Input

NEW

When used with a current clamp, this standalone data logger measures and stores up to 127,000 AC and DC current readings over a 0 to 1000 amp measurement range (0 to 723 amps for AC). In energy monitoring mode, data is converted into power, energy (using a user defined voltage value) and cost (using a user supplied energy unit cost). The millivolt measurement mode allows for direct measurement of voltage, up to 1 VDC (700 mVAC).

- Compatible with AC and DC Current Clamps
- Energy Monitoring Mode (to Calculate Power, Cumulative Energy and Cumulative Cost)
- Logging Rates Between 1 Second and 12 Hours
- Stores 127,000 Readings
- USB Interface for Set-Up and Data Download
- High Contrast 4 Digit LCD Screen
- Immediate, Delayed and Push-to-Start Logging

Stock No.	Mfr.'s Type	Function	EACH
70229373	EL-USB-ACT	Data Logger, AC and DC millivolt, current clamp input	150.00