

Lascar Electronics EL-USB-2-LCD

Lascar EL-USB-2-LCD Temperature and Humidity Data Logger User Manual

Model: EL-USB-2-LCD | Brand: Lascar Electronics

1. INTRODUCTION

The Lascar EL-USB-2-LCD is a versatile USB data logger designed to measure and record both temperature and humidity. It features an internal sensor and an integrated LCD display for real-time readings. This manual provides essential information for setting up, operating, and maintaining your data logger.

With its robust design and user-friendly software, the EL-USB-2-LCD is ideal for a wide range of applications requiring accurate environmental monitoring.

2. KEY FEATURES

- **LCD Display:** Shows current ambient temperature and humidity readings.
- **Measurement Range:** -35°C to 80°C for temperature and 0 to 100% RH for humidity.
- **Accuracy:** 0.5°C for temperature and 3.0% RH for humidity.
- **Sampling Rate:** User-configurable from 10 seconds to 12 hours.
- **Storage Capacity:** Stores up to 16,000 samples.
- **Battery Life:** Approximately 1 year with a user-replaceable 1/2 AA 3.6 Volt Lithium Battery.
- **Indicators:** LED operational and alarm indicators.
- **Durability:** IP67 Rating for protection against dust and water immersion.
- **Connectivity:** Direct USB connection for setup, data download, and analysis.
- **Software:** PC-compatible software available as a free download, supporting Windows 10, 8, 7, Vista, and XP (32-bit and 64-bit versions).

3. PACKAGE CONTENTS

Upon unpacking your EL-USB-2-LCD data logger, please ensure all the following items are present:

- Lascar EL-USB-2-LCD Temperature and Humidity Data Logger
- Protective USB Cap
- Mounting Bracket (if included with your specific package)
- 1/2 AA 3.6 Volt Lithium Battery (pre-installed or separate)
- Quick Start Guide (this manual provides comprehensive details)



Figure 3.1: EL-USB-2-LCD Data Logger with included accessories (mounting bracket and battery).

4. SETUP AND SOFTWARE INSTALLATION

To begin using your EL-USB-2-LCD data logger, you will need to install the Lascar EasyLog software on your computer.

1. **Download Software:** Visit the official Lascar Electronics website (refer to the product page or support section) to download the latest version of the EasyLog software. The software is compatible with Windows 10, 8, 7, Vista, and XP (both 32-bit and 64-bit versions).
2. **Install Software:** Run the downloaded installer and follow the on-screen prompts to complete the software installation.
3. **Connect Logger:** Remove the protective cap from the USB connector of the data logger. Plug the logger directly into an available USB port on your computer.
4. **Initial Configuration:** Launch the EasyLog software. The software will automatically detect the connected logger. From here, you can configure various settings such as:
 - Logger Name
 - Sampling Rate (e.g., every 10 seconds, 1 hour, etc.)
 - Start Mode (e.g., immediate, push-button, delayed start)
 - Alarm Thresholds (high/low temperature and humidity)
 - Measurement Units (°C/°F)
5. **Start Logging:** Once configured, disconnect the logger from the computer. Depending on your chosen start mode, the logger will begin recording data.



Figure 4.1: EL-USB-2-LCD Data Logger with its integrated LCD display.

5. OPERATING INSTRUCTIONS

5.1 Reading the LCD Display

The EL-USB-2-LCD features a clear LCD display that shows the current temperature and humidity readings. The display cycles between temperature (°C or °F) and relative humidity (%RH) at regular intervals. Alarm indicators (if configured) may also appear on the display.

5.2 Data Logging

Once configured and started, the logger will automatically record data at the specified sampling rate. The LED indicators will provide visual feedback on the logger's status (e.g., green for normal operation, red for alarms).

5.3 Downloading Data

To download recorded data:

1. Plug the EL-USB-2-LCD data logger back into your computer's USB port.
2. Open the EasyLog software.

3. The software will automatically detect the logger and prompt you to download the data.
4. Once downloaded, you can view the data in graphical or tabular format, export it to various file types (e.g., CSV, Excel), and generate reports.

5.4 Stopping a Logging Session

A logging session can be stopped via the EasyLog software when the device is connected to the computer, or if configured, by pressing a button on the device itself (if applicable to your model's settings).

6. MAINTENANCE

6.1 Battery Replacement

The EL-USB-2-LCD uses a user-replaceable 1/2 AA 3.6 Volt Lithium Battery. The typical battery life is approximately one year, depending on usage and sampling rate. When the battery is low, the logger's LED may indicate this, and the software will also notify you.

To replace the battery:

1. Ensure the logger is not actively recording data and is disconnected from the computer.
2. Carefully open the battery compartment (refer to the device's physical design for access).
3. Remove the old battery and insert a new 1/2 AA 3.6 Volt Lithium Battery, observing correct polarity.
4. Securely close the battery compartment.

Warning:

- Use only the specified battery type.
- Dispose of old batteries responsibly according to local regulations.

6.2 Cleaning

Wipe the logger with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the USB port and sensor areas are kept clean and free of debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Logger not detected by software.	Software not installed correctly; USB connection issue; Driver issue.	Ensure EasyLog software is installed. Try a different USB port. Restart computer. Reinstall software.
Inaccurate readings.	Sensor obstruction; Environmental interference; Calibration needed.	Ensure sensor area is clear. Avoid placing logger near heat sources/vents. Consult Lascar support for calibration information.
Logger not recording data.	Not configured to start; Battery low/dead; Memory full.	Check configuration in EasyLog software. Replace battery. Download data and clear logger memory.
LCD display is blank.	Battery dead; Logger in sleep mode.	Replace battery. Connect to PC to check status.

8. SPECIFICATIONS

Parameter	Value
Model Number	EL-USB-2-LCD
Measurement Range (Temperature)	-35°C to 80°C (-31°F to 176°F)
Measurement Range (Humidity)	0 to 100% RH
Accuracy (Temperature)	±0.5°C (±0.9°F) typical
Accuracy (Humidity)	±3.0% RH typical
Logging Rate	User-configurable from 10 seconds to 12 hours
Memory Capacity	16,000 readings (8,000 temperature, 8,000 humidity)
Battery Type	1/2 AA 3.6V Lithium (included)
Battery Life	Approximately 1 year
Dimensions	0.98"W x 3.9"H (0.98 x 0.98 x 3.9 inches)
Weight	2.4 ounces
IP Rating	IP67
Connectivity	USB
Software Compatibility	Windows 10, 8, 7, Vista, XP (32-bit & 64-bit)

9. WARRANTY AND SUPPORT

Lascar Electronics products are manufactured to high standards and are typically covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Lascar Electronics website.

For technical support, software downloads, or further assistance, please contact Lascar Electronics customer service or visit their online support portal. Ensure you have your product model number (EL-USB-2-LCD) and any relevant purchase information ready when seeking support.

Manufacturer: Lascar Electronics

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This manual is subject to change without notice.

Related Documents

	EasyLog EL-USB Data Logger Quick Start Guide Lascar Electronics 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.
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	EL-USB-2: Temperature, Humidity, and Dew Point Data Logger by Lascar Electronics Discover the Lascar EL-USB-2, a versatile data logger designed for accurate measurement and recording of temperature, humidity, and dew point. This IP67-rated device features a large data storage capacity, user-configurable logging rates, and is supported by the free EasyLog software for data analysis and reporting.
	Lascar EL-USB-1-PRO Installation and Operation Guide Comprehensive guide for installing, operating, and troubleshooting the Lascar EL-USB-1-PRO temperature data logger. Includes setup, software installation, and environmental disposal information.
	Lascar EL-IOT Wireless Cloud-Connected Data Logger Quick Start Guide 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.

Documents - Lascar Electronics – EL-USB-2-LCD

[\[pdf\]](#) Installation Guide Guide

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Temperature Humidity Data Logger with Display operation microdaq mw link id 41 |||
Distributed by MicroDAQ.com, Ltd. www.MicroDAQ.com 603 746-5524
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DATA LOGGER RANGE Lascar Model EL-USB-1 EL-USB-2 EL-USB-3 EL-USB-4
EL-USB-TC EL-USB-RT EL-USB-CO EL-USB-LITE EL-...
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[\[pdf\]](#) Installation Guide Guide

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DATA LOGGER RANGE Lascar Model EL-USB-1 EL-USB-2 EL-USB-3 EL-USB-4
EL-USB-TC EL-USB-RT EL-USB-CO EL-USB-LITE **EL-USB-2-LCD** Description
Temperature Temperature RH Voltage 4-20mA...
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[pdf] Datasheet

EL USB 2 LCD Lascar Electronics datasheet octopart 8864376 |||

Distributed by: www.Jameco.com 1-800-831-4242 The content and copyrights of the attached material are the property of its owner. Jameco Part Number 2076367 **EL-USB-2-LCD** Humidity, Temperature and Dew Point Data Logger with LCD Display This standalone data logger measures and stores up to 16,37...

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. . EL-SIE EL-SIEUSB MacPC EL-SIE USB EL-SIE EasyLog LED 1,000,000 AAA : ... 122F 0100 RH EL-USB-1-LCD USB / -35 80C -31 176F EL-USB-1-RCG USB / -20 60C -4 140F **EL-USB-2-LCD : EL-USB-2-LCD** USB / -35 80C -31 176F 0100 RH EL-USB-4 USB / 4-20mA 4-20mA ...

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EL-USB-2-LCD+
High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen

EasyLog

- -35 to 80°C (-31 to 176°F) and 0 to 100%RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- EasyLog software available as a free download
- High contrast LCD, with two and a half digit temperature and humidity display function
- Logging rates between 50 seconds and 12 hours
- Immediate, delayed and push-to-start logging
- User programmable alarm thresholds for both temperature and humidity
- Status indicator via red/green LEDs
- Environmental protection to IP67

The standalone data logger measures and stores over 16,000 temperature and humidity readings from -35 to 80°C (-31 to 176°F) and 0 to 100%RH range at resolution of 0.1°C (0.1°F) and 0.1%RH.

The user can easily set up the logger and view downloaded data by plugging the data logger into a PC (USB port) and using the free EasyLog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

The high contrast LCD can show a variety of temperature and humidity information. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum stored values for temperature and humidity.

The data logger is supplied with a lithium metal battery giving up to 2 years* logging life. The logger is protected against ingress from water and dust to IP67 standard when the cap is fitted.

SPECIFICATIONS		ACCESSORIES	
Temperature	Measurement range: -35°C to 80°C (-31°F to 176°F)	BAT 3V 1200mAh	Replacement battery
	Internal resolution: 0.1°C (0.1°F)	EL-DATA4	Hardware data logger programming & software
	Accuracy (overall avg): ±0.3°C (±0.5°F) typical (0 to 50°C)		
	Long term stability: ±0.2°C (±0.3°F) / year		
Relative Humidity	Measurement range: 0 to 100%RH		
	Internal resolution: 0.1%RH		
	Accuracy (overall avg): ±0.3%RH typical (30 to 80%RH)		
	Long term stability: ±0.2%RH / year		
Dew Point	Accuracy (overall avg): ±1.1°C typical	BAT 3V 1200mAh	Battery
	Logging rate: 1 to 12000 / year	EL-400 WIND, WINDMET	Measuring bracket
Operating temperature range	-35 to 80°C (-31 to 176°F)		
Battery life	2 years (at 25°C and 50%RH)		
Readings	16,000 temperature, 16,000 humidity		
Dimensions	120 x 45 x 25mm (4.7 x 1.8 x 1.0 inch)		

* The worst case takes into account the sensor accuracy (as shown on page 4) and the resolution of the data logger.

CALIBRATION CERTIFICATES NOW AVAILABLE

Lascar now offers a Standard Calibration Certificate Service on Temperature Data Loggers. Using reference equipment which has been calibrated by a VIMAC/ISO accredited laboratory and using procedures traceable to national or international standards. For more information, please visit www.lascar-electronics.com.

[pdf] Datasheet

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EL-USB-2-LCD High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen -35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000 readings for both temperature and humidity EasyLog software available as a free download High contrast LCD, with two and a ...

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Humidity, Temperature and Dew Point Data Logger with LCD Display

FEATURES

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WINDOWS CONTROL SOFTWARE

DISPLAY FUNCTIONS

- | DATA LOGGER SETUP VARIABLES | | ORDERING INFORMATION | |
|-----------------------------|--|----------------------|--|
| • Logger name | | • Stock Number | |
| • 15-40 | | | |

- Logging rate (10s, 3m, 5m, 20m, 1hr, 6hr, 12hr)

- High and low alarms
- Immediate, delayed and push-to-start logging
- Display off on for 30 seconds after button press, or permanently on
- Data rollover (allows unlimited logging periods by overwriting the oldest data when the memory is full)

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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 free EasyLog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

SPECIFICATIONS ACCESSORIES

Temperature	Measurement
-------------	-------------

Internal resolution	0.5°C/0.5%	EL-6000	Handheld data programmer & collector
Accuracy (overall) (avg)	0.4°C/0.4% typical (0 to 50°C)		
Long-term stability	-40.00% (30 days)		
Relative Humidity	0 to 100%RH	INCLUDED IN THE BOX	
Measurement resolution	0.1%RH		
Internal resolution	0.1%RH		
Accuracy (overall) (avg)	±0.03% typical (10% to 90%RH)	BAT END LUGS Battery	
Long-term stability	-40.25% (30 days)		
Accuracy (overall) (avg)	1.5% typical 1.0% (avg) (0 to 100%RH)		
Drop Point	From white-to-black in 10 seconds & 2 hours	EL-6000 WALL BRACKET Mounting Bracket	
Logging rate	25 sec (avg) (10 sec to 130 sec)		
Operating temperature range	-50 to +100°C (-50°F to +212°F)		
Battery life	2 years (at 70° and 1 minute logging rate)	Readings	
	10,000 temperature, 30,000 relative humidity		
Dimensions	10.6 x 2.2 x 2.0mm (0.419 x 0.087 x 0.079")		

* The overall error takes in to account the sensor accuracy (as shown on page 4) and the resolution of the data logger

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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 free Easylog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed

SPECIFICATIONS ACCESSORIES

Temperature	Measurement
-------------	-------------

	Internal resolution	0.5°C (0.7°)		E6-Crawfish Handheld data logger programmable data collector
	Accuracy (overall error)	±0.2°C (±0.3°F) typical (0 to 50°C)		
	Resolution	±0.07°C (±0.07°F)		
	Measurement range	0 to 50°C (32 to 122°F)		
	Internal resolution	0.5% RH		INCLUDED IN THE BOX
	Accuracy (overall error)	±2.0% RH (±0.5% RH) typical (30 to 80% RH)		
	Long-term stability	<±0.2% RH/yr		
	Measurement range	0 to 100% RH		
	Internal resolution	1.7°C (3.1°F)		BAF 500 /20A Battery
	Accuracy (overall error)	±0.5°C (±0.9°F) typical (0 to 50°C)		
	Resolution	1.0°C (1.8°F)		
	Measurement range	between ice-melting points 10 seconds to 2 hours		
	Logging rate	25°C or higher: 120 s or less 20°C and below: 120 s to 2 hours		E6-CRAWFISH BRACKET Mounting bracket included
	Operating temperature range	2 years (at 25°C and 1 minute logging rate, 100-1000°)		
	Battery life	70,000 temperatures, 70,000 relative humidity		
	Readings	70,000 temperatures, 70,000 relative humidity		
	Dimensions	1.0 x 2.0 x 2.0mm (0.04 x 0.08 x 0.08")		

* The overall error takes it to account the sensor accuracy (as shown on page 6) and the resolution of the data logger

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as a free download High contrast LCD, with two and a ...

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EL-USB-2-LCD

Temperature, Humidity and Dew Point Data Logger with LCD Screen



- -35 to +80°C (-31 to +176°F) and 0 to 100RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- EasyLog software available as a free download
- High contrast LCD, with two and a half digit temperature and humidity display function
- Logging rate between 10 seconds and 12 hours
- Immediate, delayed and push to start logging
- User programmable alarm thresholds for both temperature and humidity
- Status indicator via red/green LEDs
- Environmental protection to IP67

This standalone data logger measures and stores over 16,000 temperature and humidity readings from: -35 to +80°C (-31 to +176°F) and 0 to 100RH range at a resolution of 0.1°C (0.1°F) and 0.1RH.

The user can easily set up the logger and store downloaded data by plugging the data logger into a PC's USB port and using the free EasyLog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

The high contrast LCD can show a variety of temperature and humidity information. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum stored values for temperature and humidity.

The data logger is supplied with a lithium metal battery, giving up to 2 years' logging life. The logger is protected against ingress from water and dust to IP67 standard when the cap is fitted.

SPECIFICATIONS

Temperature	Measurement range	-35°C to +80°C (-31°F to +176°F)
	Internal resolution	0.1°C (0.1°F)
	Accuracy (overall error)*	±0.1°C (±0.1°F) typical (0 to +60°C)
	Long term stability	±0.01°C (±0.01°F) / year
Relative Humidity	Measurement range	0 to 100RH
	Internal resolution	0.1RH
	Accuracy (overall error)*	±2.0RH typical (30 to 80RH)
	Long term stability	±0.03RH / year
Dew Point	Measurement range	-35 to +80°C (-31 to +176°F)
	Accuracy (overall error)*	±1.7°C typical
	Long term stability	±0.1°C (±0.1°F) / year
Logging rate		User selectable between 10 seconds & 12 hours
Operating temperature range		-35 to +80°C (-31 to +176°F)
Battery life		2 years (at 25°C and 1 minute logging rate, 125 mAh)
Readings		16,000 temperature, 16,000 relative humidity
Dimensions		120 x 25 x 22mm (4.72 x 0.98 x 0.86")

ACCESSORIES

BAT 900 L20AA	Replacement battery
EL-ChefPad	Handheld data logger programme & collector

INCLUDED IN THE BOX

BAT 900 L20AA	Battery
EL-LCD WALL BRACKET	Mounting bracket

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[pdf] Datasheet

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EL-USB-2-LCD Temperature, Humidity and Dew Point Data Logger with LCD Screen
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Temperature	Measurement range	-35°C to +80°C
	Internal resolution	0.1°C
	Accuracy (overall error)*	±0.1°C, typical (0 to +60°C)
	Long term stability	±0.01°C / year
Relative Humidity	Measurement range	0 to 100RH
	Internal resolution	0.1RH
	Accuracy (overall error)*	±2.0RH typical (30 to 80RH)
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Dew Point	Measurement range	-35 to +80°C (-31 to +176°F)
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Dimensions		120 x 25 x 22mm

ACCESSORIES

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EL-ChefPad	Handheld data logger programme & collector

INCLUDED IN THE BOX

BAT 900 L20AA	Battery
EL-LCD WALL BRACKET	Mounting bracket

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EL-USB-2-LCD Temperature, Humidity and Dew Point Data Logger with LCD Screen
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EL-USB-2-LCD

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	Internal resolution	0.1RH
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	Long term stability	±0.03RH / year
Dew Point	Measurement range	-35 to +80°C (-31 to +176°F)
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EL-ChefPad	Handheld data logger programme & collector

INCLUDED IN THE BOX

BAT 900 L20AA	Battery
EL-LCD WALL BRACKET	Mounting bracket

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CALIBRATION CERTIFICATES NOW AVAILABLE

Lascar now offers a Traceable Calibration Certificate service on Temperature Data Loggers. Using reference equipment which has been calibrated by a UKAS/ISO17025 accredited laboratory and using appropriate traceable to national or international standards. For more information, please visit www.lascar-electronics.com.

[EL-USB-2-LCD Data Logger: Temperature, Humidity, and Dew Point Measurement](#)

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.

lang:en score:23 filesize: 1.1 M page_count: 5 document date: 2017-02-17

EL-USB-LCD+

High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen



- 35 to 40°C (31 to 104°F) and 10 to 90%RH measurement resolution
- High accuracy 0.1mm reading for both temperature and humidity
- Easy-to-use software available on a free download
- Internal LCD, 20 lines text and a half temperature and humidity
- Logging intervals from 10 seconds to 12 hours
- Temperature, humidity and dew point can be measured
- User-programmable data storage for both temperature and humidity
- Status indicator LEDs and multiple LEDs
- Environmental protection to IP67

This standard data logger has temperature and humidity resolution of 0.1°C (0.2°F) and 0.1%RH (0.2%RH) and can store 100,000 readings at 10°C (50°F) and 10%RH (50%RH).

The user can set up the logger and store downloaded data by plugging the data logger to PC's USB port and using the free logging software. Data, including calculated dew point, can then be displayed, printed and exported to applications for database analysis.

The high-precision LCD shows a variety of temperature and humidity readings. As the battery of the logger is protected against over-charge and over-discharge, the user can use the logger for a long time.

The data logger is supplied with a battery of medium holding capacity for up to 2 years' logging. The battery is protected against over-charge and over-discharge so that the user can be assured.

SPECIFICATIONS

Temperature	Measurement range	-35 to 40°C (-31°F to 104°F)
Internal resolution	0.1°C (0.2°F)	
Accuracy (internal error)	±0.1°C (±0.2°F)	
Long term stability	±0.001°C/year	

Relative Humidity

Measurement range	10 to 90%RH
Internal resolution	0.1%RH
Accuracy (internal error)	±0.1%RH
Long term stability	±0.001%RH/year

Dew Point

Accuracy (internal error)	±0.1°C (±0.2°F)
2.0%RH (0.4°F) below 10%RH	
0.1°C (0.2°F) above 10%RH	

Logging rate

User-selectable (between 10 seconds & 12 hours)
10 seconds, 1, 10, 30, 60, 120, 300, 600, 1200, 3000, 6000, 12000, 30000, 60000, 120000, 300000, 600000, 1200000, 3000000, 6000000, 12000000, 30000000, 60000000, 120000000, 300000000, 600000000, 1200000000, 3000000000, 6000000000, 12000000000, 30000000000, 60000000000, 120000000000, 300000000000, 600000000000, 1200000000000, 3000000000000, 6000000000000, 12000000000000, 30000000000000, 60000000000000, 120000000000000, 300000000000000, 600000000000000, 1200000000000000, 3000000000000000, 6000000000000000, 12000000000000000, 30000000000000000, 60000000000000000, 120000000000000000, 300000000000000000, 600000000000000000, 1200000000000000000, 3000000000000000000, 6000000000000000000, 12000000000000000000, 30000000000000000000, 60000000000000000000, 120000000000000000000, 300000000000000000000, 600000000000000000000, 1200000000000000000000, 3000000000000000000000, 6000000000000000000000, 12000000000000000000000, 30000000000000000000000, 60000000000000000000000, 120000000000000000000000, 300000000000000000000000, 600000000000000000000000, 1200000000000000000000000, 3000000000000000000000000, 6000000000000000000000000, 12000000000000000000000000, 30000000000000000000000000, 60000000000000000000000000, 120000000000000000000000000, 300000000000000000000000000, 600000000000000000000000000, 1200000000000000000000000000, 3000000000000000000000000000, 6000000000000000000000000000, 12000000000000000000000000000, 30000000000000000000000000000, 60000000000000000000000000000, 120000000000000000000000000000, 300000000000000000000000000000, 600000000000000000000000000000, 1200000000000000000000000000000, 3000000000000000000000000000000, 6000000000000000000000000000000, 12000000000000000000000000000000, 30000000000000000000000000000000, 60000000000000000000000000000000, 120000000000000000000000000000000, 300000000000000000000000000000000, 600000000000000000000000000000000, 1200000000000000000000000000000000, 3000000000000000000000000000000000, 6000000000000000000000000000000000, 12000000000000000000000000000000000, 30000000000000000000000000000000000, 60000000000000000000000000000000000, 120000000000000000000000000000000000, 300000000000000000000000000000000000, 600000000000000000000000000000000000, 1200000000000000000000000000000000000, 3000000000000000000000000000000000000, 6000000000000000000000000000000000000, 12000000000000000000000000000000000000, 30000000000000000000000000000000000000, 60000000000000000000000000000000000000, 120000000000000000000000000000000000000, 300000000000000000000000000000000000000, 600000000000000000000000000000000000000, 1200000000000000000000000000000000000000, 3000000000000000000000000000000000000000, 6000000000000000000000000000000000000000, 12000000000000000000000000000000000000000, 300, 600, 1200, 3000, 6000, 12000, 300, 600, 120000

EL-25W-LCD+

High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen



- 35 to +40°C (31 to +104°F) and 10 to 90%RH measurement range
- High accuracy 0.1mmHg for both temperature and humidity
- Extended software allows a 3-year download
- Start/stop 10s, 1min and a half temperature and humidity display timer
- Logging intervals from 10 seconds to 12 hours
- Immediate, colored and push to start recording
- Can program alarms during temperature and humidity
- Status indicator for humidity LCD
- Environmental protection to IP67

This dimensional data logger measures and stores 1600 temperature and humidity readings. 35 to +40°C (31 to +104°F) and 10 to 90%RH at an resolution of 0.1°C (0.1°F) and 0.04%RH.

The user can set up the logger and store downloaded data by plugging the data logger into a PC's USB port and using the Easy Logger software. Data, including calibrated data, can be saved, printed, report generated and exported for database analysis.

The high-precision LCD screen shows a battery measurement and humidity indicator. At the back of the battery, the user can replace the removed battery with a new one.

The EL-25W-LCD+ is supplied with a 3-year warranty testing against up to 7 years' logging. The logger is protected against rain, water and dust to IP67 standard when the cap is closed.

SPECIFICATIONS

	Measurement range	Resolution
Internal resolution	0.1°C (0.1°F) (32°F to 104°F)	0.1°C (0.1°F)
	Accuracy (internal error)	±0.1°C (0.1°F) (32°F to 104°F)
	Long term stability	±0.05°C (0.09°F) per year
	1 year stability	±0.02°C
Relative Humidity	Measurement range	10 to 90%RH
	Internal resolution	0.04%RH
	Accuracy (internal error)	±0.04%RH (10 to 90%RH)
	Long term stability	±0.02%RH per year
Data Point	Accuracy (internal error)	1.5°C (2.7°F) and 0.1% (0.04%RH)
	2.0%RH (10 to 90%RH)	1.5°C (2.7°F) and 0.1% (0.04%RH)
Logging rate	User selectable between 10s to 12h	10s to 12h
	Start/stop temperature range	35 to +40°C (31 to +104°F)
Battery	Capacity	1.2Ah (1.2Ah) (3.2V)
	Life span	Up to 1 year (1 year) (average 360 days)
Readings	Temp	16,384 temperature readings
	Humidity	16,384 humidity readings
Dimensions	225 x 27 x 22mm	8.86 x 1.06 x 0.87 in
	Weight	16g (0.56oz)

* The standard error does not account the sensor's measurement error (0.1mmHg) or the resolution of the data logger.

ACCESSORIES

	Accessories	Replacement battery
BAT EL-25A	EL-25A	High-precision data logger programmer & software
INCLUDED IN THE BOX		
BAT EL-25W-LCD+	Battery	
BAT EL-25W-LCD+	Measuring battery	










EL-5UC-2LCD

Temperature, Humidity and Dew Point Data Logger with LCD Screen

- 35 to 40°C (95 to 104°F) and the 30000mm measurement range
- Memory range 1.000 to 99.999 for each temperature and humidity
- Easy-to-use software as the data transfer
- High accuracy 0.1°C and 0.1% RH and high resolution and accuracy
- Display function
- 1000 data between 10 seconds and 1 hour
- Innovative, compact and plug-in to start logging
- Non-corrosive, durable housing suitable for both temperature and humidity
- Status indication on LEDs (lights)
- Environmental protection to IP67



This standard data logger measures and stores 10,000 temperature and humidity readings from -31 to +40°C (-31 to +104°F) and 0 to 100% RH at a resolution of 0.1°C (0.1°F) and 0.1% RH.

The user can set up the logger and store downloaded data by plugging the data logger into a PC's USB port and using the data logging software. Data, including calibrated time, can be retrieved, printed and exported into other applications for detailed analysis.

The high-precision LCD screen displays a variety of temperature and humidity statistics. At the touch of a button, the user can cycle between the temperature and humidity, along with minimum and maximum stored values for temperature and humidity.

The data logger is supplied with a battery-powered battery, giving up to 2 years' logging. The logger is protected against impacts from water and dust to IP67 standard when the cap is closed.

SPECIFICATIONS

Temperature	Measurement range	-35 to +40°C (-31°F to +104°F)
	Internal resolution	0.1°C (0.1°F)
	Accuracy (overall typical)	±0.5°C (±0.9°F) (up to 60°C)
Humidity (humidity)	Measurement range	0 to 100%RH
	Internal resolution	0.1%RH
	Accuracy (overall typical)	±2.2%RH (up to 90%RH)
Long term stability	Long term stability	±0.25°C (0.45°F) / year
	Long term stability	±0.25%RH / year
	Long term stability	±0.25%RH / year
Data Point	Measurement range	2.2%RH (up to 99.999%)
	Internal resolution	0.1%RH
	Long term stability	±0.25%RH / year
Logging rate	Long term stability	±0.25%RH / year
	Long term stability	±0.25%RH / year
	Long term stability	±0.25%RH / year
Quotient temperature range	Measurement range	2.2%RH (up to 99.999%)
	Internal resolution	0.1%RH
	Long term stability	±0.25%RH / year
Battery life	Measurement range	2.2%RH (up to 99.999%)
	Internal resolution	0.1%RH
	Long term stability	±0.25%RH / year
Readings	Measurement range	2.2%RH (up to 99.999%)
	Internal resolution	0.1%RH
	Long term stability	±0.25%RH / year
Dimensions	Measurement range	2.2%RH (up to 99.999%)
	Internal resolution	0.1%RH
	Long term stability	±0.25%RH / year

ACCESSORIES

BAF 500	Replacement battery
EL-500Hd	Revised data logging programme & interface

INCLUDED IN THE BOX

EL-5UC-2LCD	Logger
EL-5UC-2LCD BRACKET	Mounting bracket

1800.244.2843
 www.calcert.com
[sales@calcert.com](http://www.calcert.com)

[\[pdf\]](#) Datasheet

datasheet Lascar EL USB 2 LCD EasyLog Temperature Humidity Data Logger with high accuracy el usb

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EL-USB-2-LCD High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen -35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000 readings for both temperature and humidity EasyLog software available as a free download High contrast LCD, with two and a ...

lang:en score:22 filesize: 956.45 K page count: 5 document date: 0000-00-00

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datasheet Lascar EL USB 2 LCD EasyLog Temperature Humidity Data Logger with high accuracy el usb

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EL-USB-2-LCD High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen -35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000 readings for both temperature and humidity EasyLog software available as a free download High contrast LCD, with two and a ...

lang:en score:22 filesize: 967.92 K page count: 5 document date: 0000-00-00

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ITM Datasheet Template datasheet Lascar EL USB 2 LCD EasyLog Temperature Humidity Data Logger
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EL-USB-2-LCD Temperature, Humidity and Dew Point Data Logger with LCD Screen
-35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000
readings for both temperature and humidity EasyLog software available as a free
download High contrast LCD, with two and a half digit temp...

lang:en score:22 filesize: 971.25 K page count: 4 document date: 2022-03-29

EL-USB-2-LCD+
High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen



- -35 to +80°C (-31 to +176°F) and 0 to 100 RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- EasyLog software available as a free download
- High contrast LCD, with two and a half digit temperature and humidity display function
- Logging rate between 10 seconds and 12 hours
- Irreversible, delayed and push to start logging
- User programmable alarm thresholds for both temperature and humidity
- Status indicator via red/green LEDs
- Environmental protection to IP62

This standalone data logger measures and stores over 16,000 temperature and humidity readings from: -35 to +80°C (-31 to +176°F) and 0 to 100 RH range at a resolution of 0.1°C (0.1°F) and 0.1 RH.

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 free EasyLog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

The high contrast LCD can show a variety of temperature and humidity information. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum stored values for temperature and humidity.

The data logger is supplied with a lithium metal battery, giving up to 2 years' logging life. The logger is protected against ingress from water and dust to IP62 standard when the cap is fitted.

SPECIFICATIONS

Temperature	Measurement range: -35 to +80°C (-31 to +176°F) Internal resolution: 0.1°C (0.1°F) Accuracy (overall error)*: ±0.2°C (±0.4°F) typical (0 to 50°C) Long term stability: ±0.05°C (±0.09°F) year	BAT TWO L20A4 Replacement battery
Relative Humidity	Measurement range: 0 to 100 RH Internal resolution: 0.1 RH Accuracy (overall error)*: ±2.0% RH typical (50 to 90 RH) Long term stability: ±0.2% RH/year	EL DataFul Handheld data logger programmer & collector
Dew Point	Measurement range: -35 to +80°C (-31 to +176°F) Accuracy (overall error)*: ±0.2°C typical	BAT ONE L20A4 Battery
Logging rate	User selectable between 10 seconds & 12 hours	EL-USB WALL MOUNT Mounting bracket
Operating temperature range	-35 to +80°C (-31 to +176°F)	
Battery life	2 years at 25°C and 50% relative humidity	
Readings	16,000 temperature, 16,000 humidity readings	
Dimensions	120 x 25 x 22mm (4.7 x 0.9 x 0.8")	

* The overall error takes in to account the sensor accuracy, the shown on page 41 and the resolution of the data logger

1.800.544.2843 www.calcert.com sales@calcert.com

[\[pdf\]](#) Datasheet

ITM Datasheet Template datasheet Lascar EL USB 2 LCD EasyLog Temperature Humidity Data Logger with high accuracy el usb lcd calcert s cache |||

EL-USB-2-LCD High Accuracy Temperature, Humidity and Dew Point Data Logger with LCD Screen -35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000 readings for both temperature and humidity EasyLog software available as a free download High contrast LCD, with two and a ...
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EL-USB-2-LCD
Temperature, Humidity and Dew Point Data Logger with LCD Screen



- -35 to +80°C (-31 to +176°F) and 0 to 100 RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- EasyLog software available as a free download
- High contrast LCD, with two and a half digit temperature and humidity display function
- Logging rate between 10 seconds and 12 hours
- Irreversible, delayed and push to start logging
- User programmable alarm thresholds for both temperature and humidity
- Status indicator via red/green LEDs
- Environmental protection to IP62

This standalone data logger measures and stores over 16,000 temperature and humidity readings from: -35 to +80°C (-31 to +176°F) and 0 to 100 RH range at a resolution of 0.1°C (0.1°F) and 0.1 RH.

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 free EasyLog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

The high contrast LCD can show a variety of temperature and humidity information. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum stored values for temperature and humidity.

The data logger is supplied with a lithium metal battery, giving up to 2 years' logging life. The logger is protected against ingress from water and dust to IP62 standard when the cap is fitted.

SPECIFICATIONS

Temperature	Measurement range: -35 to +80°C (-31 to +176°F) Internal resolution: 0.1°C (0.1°F) Accuracy (overall error)*: ±0.2°C (±0.4°F) typical (0 to 50°C) Long term stability: ±0.05°C (±0.09°F) year	BAT TWO L20A4 Replacement battery
Relative Humidity	Measurement range: 0 to 100 RH Internal resolution: 0.1 RH Accuracy (overall error)*: ±2.0% RH typical (50 to 90 RH) Long term stability: ±0.2% RH/year	EL DataFul Handheld data logger programmer & collector
Dew Point	Measurement range: -35 to +80°C (-31 to +176°F) Accuracy (overall error)*: ±0.2°C typical	BAT ONE L20A4 Battery
Logging rate	User selectable between 10 seconds & 12 hours	EL-USB WALL MOUNT Mounting bracket
Operating temperature range	-35 to +80°C (-31 to +176°F)	
Battery life	2 years at 25°C and 50% relative humidity	
Readings	16,000 temperature, 16,000 humidity readings	
Dimensions	120 x 25 x 22mm (4.7 x 0.9 x 0.8")	

* The overall error takes in to account the sensor accuracy, the shown on page 41 and the resolution of the data logger

CALIBRATION CERTIFICATES NOW AVAILABLE
Lascar now offers a NIST-traceable Calibration Certificate for use on Temperature Data Loggers. Using reference equipment that has been calibrated by a NIST-traceable laboratory and using rigorous procedures, we can provide a reliable or international standards. For more information, please see www.lascarelectronics.com

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EasyLog USB RT sensor for temperatur og luftfuktighet Produkt detaljer detektor no easylog data logger el usb 2 lcd iss13 01 21 lascarelectronics media 7274 |||
EL-USB-2-LCD Temperature, Humidity and Dew Point Data Logger with LCD Screen -35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000 readings for both temperature and humidity EasyLog software available as a free download High contrast LCD, with two and a half digit temp...
lang:en **score:22** filesize: 1.08 M page_count: 5 document date: 2021-01-26

LASCAR electronics **Facilities Management**
Furniture & Wood Storage

'An unstable level of humidity can cause hygroscopic materials to swell in high humidity and contract in low humidity.'

- Reduce losses from swelling and cracking
- Protect raw material and work in progress
- Monitor finished goods in storage and transit

Cloud-Connected Monitoring With Instant Alerts

Remotely monitor your environments, protect your furniture and stored timber and receive early warnings of potentially damaging conditions with instant alarm notifications using our WiFi connected devices. They are easy to setup using a smartphone App. Via the smartphone App or browser simply log on to your EasyLog Cloud account to access current readings and historical data, immediately change individual sensor settings and create individual locations for one or multiple devices.

Lascar's range of temperature & humidity EL-4075 devices connect to the EasyLog Cloud and send data from your environment. They feature a large LCD display and can be battery or mains powered. The wireless EL-4075 format provides a direct solution without a display and has a built-in receiver and LED providing an efficient alarm function. It's a reliable probe, offer continuous logging without recalibration due to time.

www.lascarelectronics.com

[\[pdf\]](#) Flyer Borchure

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Facilities Management Furniture Wood Storage An unstable level of humidity can cause hygroscopic ... tive humidity -35 to 80C -31 to 176F 0 to 100 RH range Higher Accuracy Available: EL-USB-2 **EL-USB-2-LCD** USB Temperature relative humidity with LCD -35 to 80C -31 to 176F 0 to 100 RH ...
lang:en **score:22** filesize: 1.96 M page_count: 2 document date: 2019-09-30

EL-USB-2-LCD+ RH/Temperature/Dew Point Data Logger 



The EL-USB-2-LCD+ data logger measures and stores up to 16,379 relative humidity and 16,379 temperature readings over 0 to 100 RH and -35 to 80C -31 to 176F measurement ranges. 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 supplied software. It is a high-contrast LCD with two and a half digit temperature and humidity readings. The high-contrast LCD also shows a variety of temperature and humidity readings. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum values for temperature and humidity. The data logger is supplied with a long-life lithium battery, which is capable of storing data for up to 1 year.

Features

- Measures and stores EL-USB-2-LCD
- 0 to 100% RH measurement range
- 0 to 100°C (-35 to 176°F) measurement range
- One-point auto-calibration (humidity - constant offset)
- 1000 data points for 10 days and 1000 data points
- One-Step Programmable Alarm Threshold for 100% RH
- High-contrast LCD with two and a half digit temperature and humidity readings
- Alarm data, in-key and push-to-start logging
- Alarm indication via red and green LEDs
- Supplied with 3-year-old lithium battery

Programmable Elements

- Logging Rate
- Logging Rate (1s, 1m, 1h, 1d, 1w, 1m, 1y, 1d, 1w, 1m, 1y)
- High and Low Alarm
- Alarm, Alarm and push-to-start logging
- Display off after 30 seconds after button press, or permanently on
- One volume (Alarm enabled) logging rate by pressing the select data when the battery is low

Record Times

Logging Interval	Record Times
1 second	100,000
1 minute	1,000
1 hour	100
1 day	10
1 week	1
1 month	1
1 year	1
1 decade	1
1 century	1

DATAQ Instruments, Inc. 3641 Telegraph Blvd., Suite 100, San Jose, CA 95128-1000. Email: support@dataq.com, www.dataq.com

[\[pdf\]](#) Datasheet Documentation

EL USB 2 LCD RH Temperature Dew Point Data Logger data logger loggers temperature humidity usb

dew point DATAQ Instruments el lcd plus dataq 80 support documentation datasheets

EL-USB-2-LCD RH/Temperature/Dew Point Data Logger The **EL-USB-2-LCD** data logger measures and stores up to 16,379 relative humidity and 16,379 temperature readings over 0 to 100 RH and -35 to 80C -31 to 176F measurement ranges. The user can easily set up the logger and view downloaded data by p...

lang:en **score:21** filesize: 865.52 K page_count: 8 document date: 2014-11-20

EL-USB-2-LCD 

Temperature, Humidity and Dew Point Data Logger with LCD Screen



- 0 to 100% RH (-35 to 80°C) and 0 to 100% RH (-35 to 80°C) measurement range
- Stores over 16,000 readings for both temperature and humidity
- Logging software available as a free download
- High-contrast LCD with two and a half digit temperature and humidity readings
- Display function
- Logging rate between 10 seconds and 10 hours
- Instantaneous, delayed and push-to-start logging
- One-point auto-calibration for both temperature and humidity
- Status indication via red and green LEDs
- Environmental protection IP65

The standard data logger measures and stores over 16,000 temperature and humidity readings from -35 to 80°C (-31 to 176°F) and 0 to 100% RH range at a resolution of 0.1°C (0.1°F) and 0.1% RH.

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 free logging software. This, including constant dew point, can then be printed, printed and reported to other applications for detailed analysis.

The high-contrast LCD can show a variety of temperature and humidity information. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum stored values for temperature and humidity.

The data logger is supplied with a lithium metal battery, giving up to 2 years' logging life. The logger is protected against ingress from water and dust to IP65 standard when the cap is fitted.

SPECIFICATIONS

Parameter	Measurement range	Internal resolution	Accuracy (overall error)	Long-term stability	Logging rate	Operating temperature range	Battery life	Readings	Dimensions
Temperature	-35 to 80°C (-31 to 176°F)	0.1°C (0.1°F)	±0.3°C (±0.5°F)	±0.3°C (±0.5°F) per year	10 seconds to 10 hours	-35 to 80°C (-31 to 176°F)	Up to 2 years (typical)	16,000	50 x 25 x 12 mm (1.97 x 0.98 x 0.47 in)
Relative humidity	0 to 100% RH	0.1% RH	±0.3% RH	±0.3% RH per year	10 seconds to 10 hours	-35 to 80°C (-31 to 176°F)	Up to 2 years (typical)	16,000	50 x 25 x 12 mm (1.97 x 0.98 x 0.47 in)
Dew Point	-35 to 80°C (-31 to 176°F)	0.1°C (0.1°F)	±0.3°C (±0.5°F)	±0.3°C (±0.5°F) per year	10 seconds to 10 hours	-35 to 80°C (-31 to 176°F)	Up to 2 years (typical)	16,000	50 x 25 x 12 mm (1.97 x 0.98 x 0.47 in)

ACCESSORIES

Accessory	Description
EL-USB-2-LCD	Handheld data logger
EL-USB-2-LCD	Handheld data logger
EL-USB-2-LCD	Handheld data logger

INCLUDED IN THE BOX

Accessory	Description
EL-USB-2-LCD	Handheld data logger
EL-USB-2-LCD	Handheld data logger
EL-USB-2-LCD	Handheld data logger

CALIBRATION CERTIFICATES NOW AVAILABLE

Lascar now offers a full range of calibration certificates for its Temperature Data Loggers. Using reference equipment which has been calibrated by a UKAS-accredited laboratory and using equipment traceable to national or international standards. For more information, please visit www.lascarelectronics.com.

[\[pdf\]](#) Datasheet

Please click here to view the Lascar EL USB 2 LCD Data Logger DatasheetLascar EasyLog — Stone

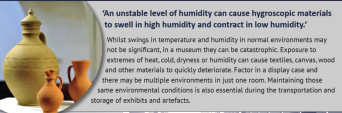
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EL-USB-2-LCD Temperature, Humidity and Dew Point Data Logger with LCD Screen

-35 to 80C -31 to 176F and 0 to 100 RH measurement range Stores over 16,000 readings for both temperature and humidity EasyLog software available as a free download High contrast LCD, with two and a half digit temp...

lang:en **score:21** filesize: 1.18 M page_count: 5 document date: 2023-02-17

LASCAR electronics **Heritage Monitoring**
Museums & Exhibitions



An unstable level of humidity can cause hygroscopic materials to swell in high humidity and contract in low humidity.

Whilst swings in temperature and humidity in normal environments may not be significant, in a museum they can be catastrophic. Exposure to extremes of heat, cold, dryness or humidity can cause textiles, canvas, wood and other materials to quickly deteriorate. Factor in a display case and there may be multiple environments in just one room. Maintaining those same environmental conditions is also essential during the transportation and storage of exhibits and artefacts.

Cloud-Connected Monitoring With Instant Alerts

Remotely monitor your environments, protect your exhibits and avoid conditions of potentially damaging conditions with instant alerts notifications using our Web-connected devices. They are easy to set up using a smartphone App. From the smartphone app or web browser, simply log on to your Lascar Cloud account to access secure real-time and historical data, remotely change individual sensor settings and create individual locations for one or multiple devices.

Case Study: Asia Society

The leading global educational organization Asia Society will preserve and protect its collections of artifacts and works of art. To meet the full case study, please visit: www.lascarelectronics.com

www.lascarelectronics.com

[\[pdf\]](#) Flyer Borchure

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Heritage Monitoring Museums Exhibitions An unstable level of humidity can cause hygroscopic mater ... EL-BT-2 Bluetooth Temperature humidity with App -20 to 60C -4 to 140F 0 to 100 RH range. **EL-USB-2-LCD/EL-USB-2-LCD** USB Temperature relative humidity with LCD -35 to 80C -31 to 176F ...

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Environmental Monitoring for Facilities Management Product Guide

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LOGGERS Type EL-USB-1 EL-USB-1-LCD EL-USB-1-PRO EL-USB-CO EL-USB-5
EL-USB-2-LCD EL-USB-2-LCD EL-USB-TP-LCD EL-USB-TC EL-USB-TC-LCD EL-
 USB-TC-LCD EL-GFX DATA LOGGERS ...

lang:en **score:21** filesize: 8.11 M page_count: 5 document date: 2016-08-04



[\[pdf\]](#) Declaration of Conformity

Declaration of Conformity FilesThruTheAir Lascar Electronics Limited Module House Whiteparish

Salisbury Wiltshire SP5 2SJ UK Tel 44 0 1794 884 567 E mail technical@lascar.co.uk Website

declaration conformity easylog iss18592237 iss18 101929 ce 01 en LASCAR EASYLOG SYLOG U 2LCD
 DATENLOGGER filesthrutheair produktinfo conrad datenblaetter 100000 124999

Declaration of Conformity Manufacturer s Name: Lascar Electronics Limited

Manufacturer s Address: Mo ... C, EL-USB-1, EL-USB-2, EL-USB-2 , EL-USB-3, EL-
 USB-4, EL-USB-5, EL-USB-5, EL-USB-TC, EL-USB-1-LCD, **EL-USB-2-LCD, EL-
 USB-2-LCD** , EL-USB-TC-LCD, EL-USB-TP-LCD, EL-USB-TP-LCD , EL-USB-1-PRO,
 EL-USB-1-RC...

lang:en **score:21** filesize: 428.21 K page_count: 1 document date: 2017-04-26



[\[pdf\]](#) Instructions Datasheet Documentation

EL USB 1 Temperature Data Logger data logger loggers temperature DATAQ Instruments The measures
 and stores up to 16 382 is supplied with a long life lithium battery which can typically allow logging for

more than year Function On screen instructions follow the Inc 241 Springside Drive Akron Ohio 44333

Tel 330 668 1444 Email support@dataq.com el usb resources s datasheets support documentation

EL-USB-1 Temperature Data Logger The EL-USB-1 temperature data logger
 measures and stores up to 16, ... he following Data Loggers: EL_USB-LITE 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 www.dataq.com 5 330-668-1444 EL-USB Dat...

lang:en **score:20** filesize: 1006.03 K page_count: 7 document date: 2015-07-23



[\[pdf\]](#) Specifications

EL USB 2 LASCAR Electronics Измервателни уреди Електронен магазин Комет Електроникс store et
 bg file id 24787 |||

EL-USB-2 High Accuracy Temperature, Humidity and Dew Point Data Logger -35 to
 80C -31 to 176F ... Accuracy Temperature, Humidity and Dew Point Data Logger

SENSOR ACCURACY INFORMATION EL-USB-2 , **EL-USB-2-LCD** EL-USB-2 , EL-
 EULS-BU-S2B-L-2C D, **EL-USB-2-LCD** Typical and maximal tolerance for te...

lang:en **score:20** filesize: 1.29 M page_count: 4 document date: 2018-02-20

EL-USB-2

Temperature, Humidity and Dew Point

Data Logger



- -35 to +80°C (-31 to +176°F) and 0 to 100%RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- Easylog software available as a free download
- Logging rates between 10 seconds and 1 hour
- Immediate and delayed logging start
- User programmable alarm thresholds for both temperature and humidity
- Status indication via red/green LEDs
- Environmental protection to IP67

This standalone data logger measures and stores over 16,000 temperature and humidity readings from -35 to +80°C (-31 to +176°F) and 0 to 100%RH range at a resolution of 0.1°C (0.1°F) and 0.001RH.

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 free Easylog software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis.

The data logger is supplied with a lithium metal battery, giving up to three years' logging life. The logger is protected against ingress from water and dust to IP67 standard when the cap is fitted.

SPECIFICATIONS		ACCESSORIES		
Temperature	Measurement range	-35°C to +80°C (-31°F to +176°F)	BAT PWS L120A Replacement battery	
	Internal resolution	0.1°C (0.1°F)		EL-040404 Handheld data logger programmer & collector
	Long-term stability	<0.01°C (0.01°F) year		
Relative Humidity	Measurement range	0 to 100%RH	INCLUDED IN THE BOX	
	Internal resolution	0.001RH		BAT PWS L120A Battery
	Accuracy (overall error)*	±2.0%RH typical (0 to 80%RH)		EL-USB-WALL-BRACKET Mounting Bracket
Dew Point	Long-term stability	<0.001RH/year		
	Accuracy (overall error)*	±1.1°F typical		
Logging rate	User selectable between 10 seconds to 1 hour			
	Operating temperature range	-35 to +80°C (-31 to +176°F)		
Battery life	Normal (0.1°C) and 1 minute logging rate	Up to 3 years		
	High (0.01°C) and 10 second logging rate	Up to 18 months		
Readings	Up to 16,000 temperature, 16,000 relative humidity			
	Dimensions	30x8 x 25 x 25mm (1.18 x 0.98 x 0.98 in)		

* At 25°C and 50%RH. To account for minor variations between samples, the maximum deviation of the data logger.

CALIBRATION CERTIFICATES NOW AVAILABLE

Users now often require a traceable calibration certificate for use on Temperature Data Loggers. Using reference equipment which has been calibrated by a UKAS/ISO9001 accredited laboratory and using equipment traceable to national or international standards for traceability, please email info@lascarelectronics.com



[pdf] Specifications Datasheet

Lascar Electronics EL USB 2 datasheet octopart 102879733 |||

EL-USB-2 Temperature, Humidity and Dew Point Data Logger -35 to 80C -31 to 176F and 0 to 100 RH ... EL-USB-2 Temperature, Humidity and Dew Point Data Logger SENSOR ACCURACY INFORMATION EL-USB-2, **EL-USB-2-LCD** EL-USB-2E,LE-UL-SUBS-B2-,2E-LL-CUDSB-2-LCD Typical andmTa xiCm al tolerance for temper... lang:en **score:19** filesize: 1.06 M page_count: 4 document date: 2018-02-20

EL-USB-2

Temperature, Humidity and Dew Point

Data Logger



- -35 to +80°C (-31 to +176°F) and 0 to 100%RH measurement range
- Stores over 16,000 readings for both temperature and humidity
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SPECIFICATIONS		ACCESSORIES		
Temperature	Measurement range	-35°C to +80°C (-31°F to +176°F)	BAT PWS L120A Replacement battery	
	Internal resolution	0.1°C (0.1°F)		EL-040404 Handheld data logger programmer & collector
	Long-term stability	<0.01°C (0.01°F) year		
Relative Humidity	Measurement range	0 to 100%RH	INCLUDED IN THE BOX	
	Internal resolution	0.001RH		BAT PWS L120A Battery
	Accuracy (overall error)*	±2.0%RH typical (0 to 80%RH)		EL-USB-WALL-BRACKET Mounting Bracket
Dew Point	Long-term stability	<0.001RH/year		
	Accuracy (overall error)*	±1.1°F typical		
Logging rate	User selectable between 10 seconds to 1 hour			
	Operating temperature range	-35 to +80°C (-31 to +176°F)		
Battery life	Normal (0.1°C) and 1 minute logging rate	Up to 3 years		
	High (0.01°C) and 10 second logging rate	Up to 18 months		
Readings	Up to 16,000 temperature, 16,000 relative humidity			
	Dimensions	30x8 x 25 x 25mm (1.18 x 0.98 x 0.98 in)		

* At 25°C and 50%RH. To account for minor variations between samples, the maximum deviation of the data logger.

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Users now often require a traceable calibration certificate for use on Temperature Data Loggers. Using reference equipment which has been calibrated by a UKAS/ISO9001 accredited laboratory and using equipment traceable to national or international standards for traceability, please email info@lascarelectronics.com



[pdf] Specifications Datasheet

Lascar Electronics EL USB 2 datasheet octopart 103132907 |||

EL-USB-2 Temperature, Humidity and Dew Point Data Logger -35 to 80C -31 to 176F and 0 to 100 RH ... EL-USB-2 Temperature, Humidity and Dew Point Data Logger SENSOR ACCURACY INFORMATION EL-USB-2, **EL-USB-2-LCD** EL-USB-2E,LE-UL-SUBS-B2-,2E-LL-CUDSB-2-LCD Typical andmTa xiCm al tolerance for temper... lang:en **score:19** filesize: 1.06 M page_count: 4 document date: 2018-03-09

EL-USB-2-LCD+ Data Logger Case Study

Sanitary Designs: Gaining fresh insight



Getting Better Data

Following a recommendation, Sanitary Designs found and installed Lascar's Easylog USB temperature and humidity data loggers to its secondary work and immediately gained accurate and precise accuracy in the monitoring of temperature, humidity and dew point accuracy could be achieved at a very reasonable cost point.

Completely separated from any existing temperature control system that a customer might have in place, the units also allowed SD to testing greater independence to a customer's existing environmental monitoring system, reducing the efficacy and accuracy of any control schemes put into action.

CheezSorceSD have been using the Easylog devices since late 2013 and have now set up over 30 customers with control systems enabled by the Lascar loggers.

Founded in 2001, CheezSorce and Sanitary Design Industries (SDI) - equipment division of CheezSorce provide a range of industrial and environmental control systems for industrial cheese makers and dairy processors across North America. Under the management of senior cheese consultant, Wendy McNaughton, the company assists numerous new entrants, existing and rising dairy businesses in the growing market of high quality artisan cheese production.

One of the key phases of cheese production is the aging room where environmental conditions are critical to the quality of the final product. Close monitoring and control of temperature and humidity are required to provide stable, steady state conditions for the cheese. It is the monitoring of these tightly controlled aging environments that Sanitary Design operates, helping its customers place high quality and consistent products on consumer's tables.

The Challenge

Cheese producers have traditionally relied on temperature kit that is extremely inaccurate and requires numerous manual checks, making it often difficult to know what is happening inside their aging rooms. Basic temperature and humidity probes, without proper measurement procedures can't even measure the humidity in an aging room. As a result, a manufacturer's aging room may be an environment, creating data measurement is key to cheese production and it is the parcel of their progress. Wendy McNaughton at CheezSorceSD to keep a constant look out for new equipment that can reliably deliver new insight.

Says Wendy, "I am always surprised by the number of cheese makers who are like 'but knowing' knowing what is the dysfunctional gadget isn't necessarily knowing much, but I can't accept the 'I like cheese but I don't want to mess it up' game".



www.lascarelectronics.com/data-loggers



[pdf] User Manual

EL USB 2 LCD Data Logger Case Study Lascar Electronics manual checks making it often difficult to know what is happening inside their aging rooms from a temperature and humidity perspective Without proper case study cheese iss2 06 19 lascarelectronics media 4850 Following recommendation Sanitary Designs found Cheese producers have traditionally relied on inexpensive kit that notoriously inaccurate may require numerous measurement can t see or react fluctuations in conditions real problem maintaining genuine steady state environment Steady key **EL-USB-2-LCD** Data Logger Case Study Sanitary Designs: Gaining fresh insight Getting Better Data Lascar s standalone **EL-USB-2-LCD** Founded in 2001, CheezSorce and Sanitary Design Industries SDI - equipment division of CheezSorce provide a range of consultancy and environmental control systems fo... lang:en **score:19** filesize: 1.09 M page_count: 2 document date: 2019-06-13



[pdf] Borchure

Brochures Lascar Electronics lascar electronics dataloggerbrochure iss4 02 20 chinese simplified

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. . EL-SIE EL-SIEUSB MacPC EL-SIE USB EL-SIE EasyLog LED 1,000,000 AAA 7 ...
122F 0100 RH EL-USB-1-LCD USB / -35 80C -31 176F EL-USB-1-RCG USB / -20
60C -4 140F **EL-USB-2-LCD** : **EL-USB-2-LCD** USB / -35 80C -31 176F 0100 RH EL-
USB-4 USB / 4-20mA 4-20mA ...

lang:fr **score:19** filesize: 14.76 M page_count: 13 document date: 2020-02-28

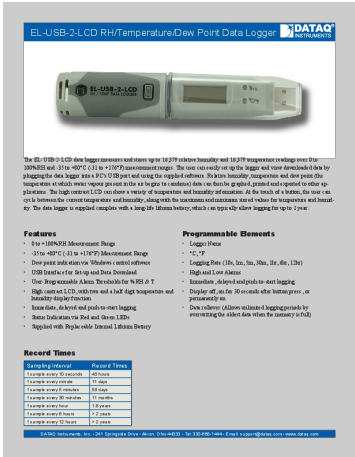


[pdf] Specifications

lascar electronics el usb 2 EL USB Lascar Electronics Ltd easylog data logger iss16 02 2021

lascarelectronics media 7272 EasyLog RT sensor for temperatur og luftfuktighet Produkttdetaljer detektor
no |||

EL-USB-2 Temperature, Humidity and Dew Point Data Logger -35 to 80C -31 to 176F
and 0 to 100 RH ... EL-USB-2 Temperature, Humidity and Dew Point Data Logger
SENSOR ACCURACY INFORMATION EL-USB-2, **EL-USB-2-LCD** EL-USB-2E,LE-
UL-SUBS-B2-,2E-LL-CUDSB-2-LCD Typical andmTa xiCm al tolerance for temper...
lang:en **score:19** filesize: 1.1 M page_count: 4 document date: 2021-02-01



[pdf] Datasheet Documentation

EL USB 2 LCD RH Temperature Dew Point Data Logger data logger loggers temperature humidity usb
dew point DATAQ Instruments Datasheet The measures and stores up to 16 379 relative readings over 0
100%RH 35 80°C 31 176°F measurement ranges user can easily set the view ed by el lcd dataq
resources s datasheets 80 support documentation
EL-USB-2-LCD RH/Temperature/Dew Point Data Logger The **EL-USB-2-LCD** data
logger measures and stores up to 16,379 relative humidity and 16,379 temperature
readings over 0 to 100 RH and -35 to 80C -31 to 176F measurement ranges. The
user can easily set up the logger and view downloaded data by plu...
lang:en **score:19** filesize: 858.35 K page_count: 8 document date: 2014-11-20



[pdf] Specifications Datasheet

Lascar Electronics ĐĐ,ÑÑÑĐ,Đ± ÑÑÑ%Ñ EL USB LITE SGD ADPT TC DPM 950 el usb 2 rxelectronics
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EL-USB-2 High Accuracy Temperature, Humidity and Dew Point Data Logger -35 to
80C -31 to 176F ... Accuracy Temperature, Humidity and Dew Point Data Logger
SENSOR ACCURACY INFORMATION EL-USB-2 , **EL-USB-2-LCD** EL-USB-2 , EL-
EULS-BU-S2B-L-2C D, **EL-USB-2-LCD** Typical and maximal tolerance for te...
lang:en **score:19** filesize: 1.11 M page_count: 4 document date: 2020-01-24

[pdf] Guide Borchure

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PRODUCT GUIDE Data Logging Solutions Your Data. Anytime. Anywhere. The EL-SIE Our latest innovatio ... 176F range EL-USB-1-RCG USB Temperature with rechargeable battery -20 to 60C -4 to 140F range **EL-USB-2-LCD** Higher Accuracy Available: **EL-USB-2-LCD** USB Temperature relative humidity with LCD -... lang:en **score:18** filesize: 16.02 M page_count: 13 document date: 2020-01-16

[pdf] Guide Accessories

Каталог продукции Lascar 2018 Купить EL USB 2 LCD Измерители влажности и температуры lascar 2108 elaso ua vendor |||

PRODUCT GUIDE Data Logging Solutions Your Data. Anytime. Anywhere. EL-MOTE Remote, flexible data l ... 176F range EL-USB-1-RCG USB Temperature with rechargeable battery -20 to 60C -4 to 140F range **EL-USB-2-LCD** Higher Accuracy Available: **EL-USB-2-LCD** USB Temperature relative humidity with LCD -... lang:en **score:18** filesize: 12.01 M page_count: 13 document date: 2018-10-31

[pdf] Datasheet

Lascar Electronics ĐĐ, ÑÑÑĐ, Đ± ÑÑĐ%Ñ EL USB LITE SGD ADPT TC DPM 950 el 21cfr 2 lcd rxelectronics ua datasheet 32 |||

EL-21CFR-2-LCD EasyLog 21CFR Compatible, High Accuracy, Temperature, Humidity Dew Point Data Logg ... erature, Humidity Dew Point Data Logger with LCD Screen SENSOR ACCURACY INFORMATION EL-USB-2 , **EL-USB-2-LCD** EL-USB-2 , EL-EULS-BU-S2B-L-2C D, **EL-USB-2-LCD** Typical and maximal tolerance for te... lang:en **score:18** filesize: 1.72 M page_count: 6 document date: 2016-09-05

[pdf]

EL 21CFR 2 LCD Lascar Electronics The user can easily set up the logger and view ed data by plugging into a PC s USB port using free EasyLog software easylog el 21cfr lcdplus lascarelectronics media 2721 EL-21CFR-2-LCD EasyLog 21CFR Compatible, High Accuracy, Temperature, Humidity Dew Point Data Logg ... erature, Humidity Dew Point Data Logger with LCD Screen SENSOR ACCURACY INFORMATION EL-USB-2 , **EL-USB-2-LCD** EL-USB-2 , EL-EULS-BU-S2B-L-2C D, **EL-USB-2-LCD** Typical and maximal tolerance for te... lang:en **score:18** filesize: 1.68 M page_count: 6 document date: 2016-09-05



EL-21CFR-2-LCD+
EasyLog 21CFR Compatible, High Accuracy, Temperature, Humidity & Dew Point Data Logger with LCD Screen



- 35 to +80°C (33 to +176°F) and 0 to 100%RH measurement range
- Stores over 16,000 readings for both temperature and humidity
- EasyLog 21CFR software available as a free download
- High contrast LCD, with two and a half digit temperature and humidity display function
- Logging rates between 10 seconds and 12 hours
- Irreversible, delayed and push-to-start logging
- User programmable alarm thresholds for both temperature and humidity
- Use as part of a 21CFR Part 15 compliant system

The standalone data logger measures and stores over 16,000 temperature and humidity readings from -35 to +80°C (33 to +176°F) and 0 to 100%RH range at a resolution of 0.1°C (0.1°F) and 0.1%RH.

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 free EasyLog 21CFR software. Data, including calculated dew point, can then be graphed, printed and exported to other applications for detailed analysis. The encrypted data has full audit tracking to comply with the requirements of 21CFR Part 15.

The high contrast LCD can show a variety of temperature and humidity information. At the touch of a button, the user can cycle between the current temperature and humidity, along with the maximum and minimum stored values for temperature and humidity.

The data logger is supplied with a lithium metal battery, giving up to 2 years' logging life. The logger is protected against ingress from water and dust to IP67 standard when the cap is fitted.

SPECIFICATIONS		ACCESSORIES	
Temperature	Measurement range -35 to +80°C (33 to +176°F) Internal resolution 0.1°C (0.1°F) Accuracy (overall average) 0.5°C (0.9°F) typical (0 to 50°C) Long term stability -0.01°C (0.01°F) per year	BAT SW 120A4	Replacement battery
Relative Humidity	Measurement range 0 to 100%RH Internal resolution 0.1%RH Accuracy (overall average) 2.0%RH typical (33 to 50%RH) Long term stability -0.2%RH/year	BAT SW 120A4	Battery
Dew Point	Accuracy (overall average) 1.1°C typical (33 to 50°C, 40% to 100%RH)	EL-LCD WALL BRACKET	Mounting bracket
Logging rate	One value/minute between 10 seconds & 12 hours		
Operating temperature range	-35 to +80°C (33 to +176°F)		
Battery life	2 years (at 25°C and 5 minutes logging rate: 100:100)		
Readings	35, 80, 100 temperatures, 35, 80, 2 relative humidity		
Dimensions	126 x 25 x 22mm (5.0 x 1.0 x 0.9")		

* The actual error values for accuracy the sensor accuracy can be seen on page 12 and the resolution of the data logger

CALIBRATION CERTIFICATES NOW AVAILABLE

Lascar now offers a traceable Calibration Certificate Service for Temperature Data Loggers. Using reference equipment which has been calibrated to a NIST/ISO9001 accredited laboratory and using appropriate standards for national or international standards. For more information, please see www.lascarelectronics.com



EL-21CFR-2-LCD+
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Relative Humidity	Measurement range 0 to 100%RH Internal resolution 0.1%RH Accuracy (overall average) 2.0%RH typical (33 to 50%RH) Long term stability -0.2%RH/year	BAT SW 120A4	Battery
Dew Point	Accuracy (overall average) 1.1°C typical (33 to 50°C, 40% to 100%RH)	EL-LCD WALL BRACKET	Mounting bracket
Logging rate	One value/minute between 10 seconds & 12 hours		
Operating temperature range	-35 to +80°C (33 to +176°F)		
Battery life	2 years (at 25°C and 5 minutes logging rate: 100:100)		
Readings	35, 80, 100 temperatures, 35, 80, 2 relative humidity		
Dimensions	126 x 25 x 22mm (5.0 x 1.0 x 0.9")		

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EL WiFi TH Lascar Electronics Inc ig a ii emperatur an n Issue 8 03 2019 Page 3 of lasareletronis om

data loggers 01 0 20 40 60 80 100 02 04 06 08 120 easylog logger el wifi thplus iss8 19 lascarelectronics
media 4774

EL-WiFi-TH High Accuracy WiFi Temperature and Humidity Sensor -20 to 60C -4 to 140F and 0 to ... 176F at 5 RH for 36 hours. Re-hydration 20 to 30C 70 to 90F at 74 RH for EL4-8UhSoBu-r2s , **EL-USB-2-LCD** High levels of pollutaTn tCs may cause permanenEt Ld-aUmSaBg-e2 to, EthLe-UinStBe-r2n...

lang:en score:17 filesize: 1.78 M page_count: 3 document date: 2019-03-27

[\[pdf\]](#) Specifications

Datenblatt Lascar Electronics EL USB 2 Temperatur Datenlogger ab € 79 70 2024 Preisvergleich

Geizhals Österreich bd4c90051bc9e2862061d4e04cdfcb11fb86 gzhls at blob ldb 6 4 3 |||

EL-USB-2 Temperature, Humidity and Dew Point Data Logger -35 to 80C -31 to 176F and 0 to 100 RH ... EL-USB-2 Temperature, Humidity and Dew Point Data Logger

SENSOR ACCURACY INFORMATION EL-USB-2, **EL-USB-2-LCD** EL-USB-2E,LE-
UL-SUBS-B2-,2E-LL-CUDSB-2-LCD Typical andmTa xiCm al tolerance for temper...

lang:en score:17 filesize: 1.14 M page_count: 4 document date: 2024-04-17

[\[pdf\]](#) Datasheet

EL GFX 2 Datasheet Temperature Humidity Data Logger Lascar Electronics easylog data logger el gfx

iss20 02 21 lascarelectronics media 7291 |||

EL-GFX-2 Temperature, Humidity Dew Point Data Logger with Graphic Screen -30 to 80C -22 to 17 ... ture, Humidity Dew Point Data Logger with Graphic Screen SENSOR

ACCURACY INFORMATION EL-USB-2, **EL-USB-2-LCD** EL-USB-2E,LE-UL-SUBS-
B2-2E-LL-CUDSB-2-LCD Typical andmTa xiCm al tolerance for temper...

lang:en score:17 filesize: 1013.9 K page_count: 4 document date: 2021-02-03

