EasyLog

Data Logging Solutions

Your Data. Anytime. Anywhere.

LASCAR electronics

EL-IOT

Lowest-cost WiFi data loggers

The EL-IOT devices are our easiest WiFi data loggers yet, with simple to understand status indicators, sounder and EasyLog Cloud connectivity.

In this range:

Temperature Temp/RH

Thermocouple Carbon Dioxide

The EL-IOT-CO2 is a wireless CO_2 and indoor air quality data logger, measuring temperature, humidity and carbon dioxide to provide constant indication of the air quality levels in its environment.

The EL-IOT-1 is a temperature data logger displaying all alarms on the front of the device to alert users at-a-glance to battery level, temperature breaches and WiFi connection strength.

The EL-IOT-SP series is rapidly expanding. It now includes temperature and humidity sensors in standard and high accuracy variants, catering to a wider range of applications. Additionally, upcoming updates will introduce 4-20mA and CO parameter measurements, further enhancing the capabilities of the range.

With each of these you can set your own high and low alarms for each parameter, as soon as these limits are breached, instant notification of critical changes will be sent via SMS and/or email to you.

All recorded data from the device is automatically uploaded to the EasyLog Cloud.

Typical battery life for each device is over one year, or the device can be permanently powered by using the included power adapter.

Lascar Calibration Certificates

Traceable calibration certificate service

Our calibration certificates give you the assurance that your temperature, temperature and humidity and thermocouple data loggers are accurate.

Calibration

Temperature

EL-CAL-T Standard	Temperature Points: -10°C, +20°C and +40°C
EL-CAL-T Fridge	Temperature Points: +2°C and +8°C
EL-CAL-T Freezer	Temperature Points: -18°C and -25°C
EL-CAL-T ULT	Temperature Points: -70°C and 0°C

Temperature and Humidity

EL-CAL-TH - Tested at 20°C, 40°C, 35% RH at 20°C and 75% RH at 20°C

Thermocouple

EL-CAL-TC - Tested at 25°C, 50°C, 100°C, 140°C and 350°C

In this range:

Temperature Temp/RH Thermocouple

EL-WEM+

High Accuracy Indoor Air Quality Monitors

The EL-WEM+ devices continuously monitor the environment for contributing factors of poor indoor air quality, evaluating the levels and compiling an overall indoor air quality rating, displaying it on the device and sending a warning to users when critical levels have been reached.

All data recorded on these devices is automatically uploaded to the EasyLog Cloud so users have their complete set of data measurements at their fingertips.

Know exactly when action needs to be taken with instant audible and visual alerts on the device as well as alert notifications sent straight to your phone.

Constant Real-Time Measurement

• Receive instant alerts to changes in the air quality. Alarms include email, SMS and in-app notifications

• Automatically uploads all recorded data to the EasyLog Cloud for data download, sharing, graphing and much more

• Detects volatile organic compounds from paints, lacquers, paint strippers, cleaning products, furnishings, glues, adhesives and alcohol

• Indoor air quality is rated on five levels identifiable from five colours on the device's status light

• Audible and visual alerts can be activated to alert you when there is a change in the air quality

• View and analyse multiple devices within the EasyLog Cloud

EasyLog

• **EL-WEM** WiFi Indoor Air Quality Monitor

• **EL-WEM+** WiFi CO_2 and Indoor Air Quality Monitor

The EL-WEM devices allow you to monitor any environment remotely. Data is uploaded using a standard WiFi network so there's no need to take any physical readings.

The indoor air quality is rated on five levels from Excellent to Inadequate, if it reaches either of the two lowest levels the status ring turns red. You can even activate an audible sounder if you wish.

Using the EasyLog Cloud, you can set emails and SMS messages to notify you as soon as this happens.

In this range:

Temperature | Temp/RH | Pressure | PM1, 2.5 and 10

VOCs | Carbon Dioxide

Air Quality

EL-SIE

Our latest innovation in data logging

The EL-SIE is our breakthrough USB data logger, compatible with Mac or PC, and with no software needed to install. Just plug the logger into your computer's USB port; configuration and data analysis can all be done within your standard web browser. It's as easy as that!
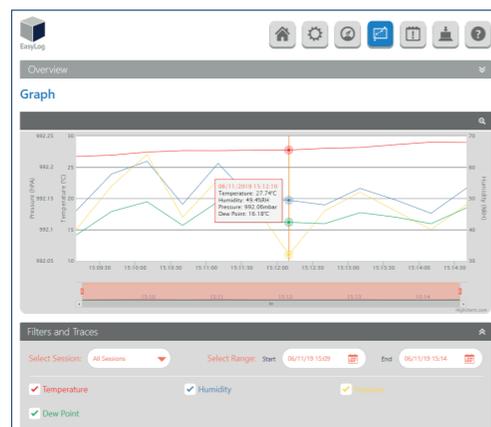
In this range:

Temperature   Temp/RH   Pressure

A next-generation data logger in a sleek, metal housing

- The EL-SIE range offers five model variants capable of measuring ambient temperature, humidity and pressure

- Upload your data to an EasyLog Cloud account for powerful online graphing, analysis and report generation

- The logger's large, clear display shows current, maximum and minimum readings, plus three coloured LEDs that indicate status at a glance

- Alarm functionality includes cumulative alarms, pre-alarms, delay before alarm triggering, and alarm hold options

- Store over 1,000,000 readings

- Typical battery life is over one year using standard AAA alkaline batteries

▲ EL-SIE Graphing Screen

EasyLog

- **EL-SIE-1** Temperature data logger with display

- **EL-SIE-1+** High accuracy temperature data logger with display

- **EL-SIE-2** Temperature and humidity data logger with display

- **EL-SIE-2+** High accuracy temperature and humidity data logger with display

- **EL-SIE-6+** High accuracy temperature, humidity, and pressure data logger with display

Next Generation USB Data Logger

EL-Vaccine Range

The Lascar range of EL-Vaccine monitoring kits come with a digital data logger, a glycol buffered temperature probe, and calibration test certificate. They also follow the appropriate guidelines of Centres for Disease Control and Prevention (CDC) and the NHS.

Added benefit of detachable vaccine probe for greater logging accuracy
All EL-VAC product versions come with a detachable probe in a glycol bottle. Suspending a probe in a sealed glycol bottle helps prevent sudden spikes in air temperature from compromising the readings, mimicking the rate at which vaccines react to temperature changes, providing the most accurate readings, and preventing false alarms.

✓ Detachable temperature buffered probe
✓ High/low alarms to alert out of range temperatures
✓ Display of current, min and max temperature and reset button
✓ Low battery indicator
✓ Accuracy ±0.1°C / ±0.2°F
✓ Data loops when memory is full
✓ User programmable logging rate
✓ Integral magnet to affix logger to outside of storage unit

EL-WiFi-VAC

EL-WiFi-VACX

EL-WiFi-VAC2

EL-USB-VAC

EL-USB-ULT
EL-USB-ULT+

EL-WiFi-ULT
EL-WiFi-ULT+
EL-WiFi-DULT
EL-WiFi-DULT+

EL-USB-ULT-LCD
EL-USB-ULT-LCD+

EL-WiFi-VAC

The EL-WiFi-VAC allows remote vaccine monitoring and data collection over a WiFi network, viewable from any internet enabled device including smartphone, tablet or PC using the EasyLog Cloud service. Set-up high and low alarms and receive instant email alerts when temperatures become too hot or cold in the fridge or freezer.

The logger can be battery powered or used with a USB wall adapter.

EL-WiFi-VACX

The EL-WiFi-VACX also allows for remote vaccine monitoring but adds a local sound and LED alarm for instant audio and visual indication of a change in a vaccine fridge. The device's smart probes provide easy and instant swapping to new calibrated probes, eliminating the need for device downtime during calibration.

The logger can be battery powered or used with a USB wall adapter.

EL-WiFi-VAC2

The dual channel EL-WiFi-VAC2 can measure two areas at the same time - two areas of the same refrigerator, two refrigerators or perhaps a refrigerator and freezer.

The logger can be battery powered or used with a USB wall adapter.

EL-USB-VAC

This USB-based system allows continual temperature monitoring of refrigerated and frozen vaccines using a simple-to-use data logger and glycol bottle.

Simply name the device, choose sample rates and set high and low alarms using its free and easy-to-use software. Place the glycol bottle in the vaccine refrigerator and place the data logger on the outside of the fridge. View latest, highest and lowest logs from its integral LCD screen. An on-board red LED will flash if an alarm has been breached.

The logger is battery powered.

EL-ULT

Cryogenic data loggers are specialized devices designed to accurately monitor and record temperature fluctuations in extremely cold environments, such as those found in cryogenic storage facilities.

These loggers are equipped with robust sensors and insulation to ensure reliable data collection even at ultra-low temperatures.

Our range of USB and wireless ultra low temperature data loggers monitor vaccines in dry ice and cryogenic storage. The dual channel devices allow for channel recordings through two external thermocouple probes, measuring in two places at the same time.

In this range:

EasyLog

Thermocouple

Thermistor

Ultra Low Temperature

Vaccine Data Logging

EasyLog Cloud

Your Data. Anytime. Anywhere.

Access your vital data from any internet-enabled computer, tablet or mobile device with EasyLog Cloud. From single locations to worldwide operations, the system is perfectly scalable and can run through your existing wireless networks.
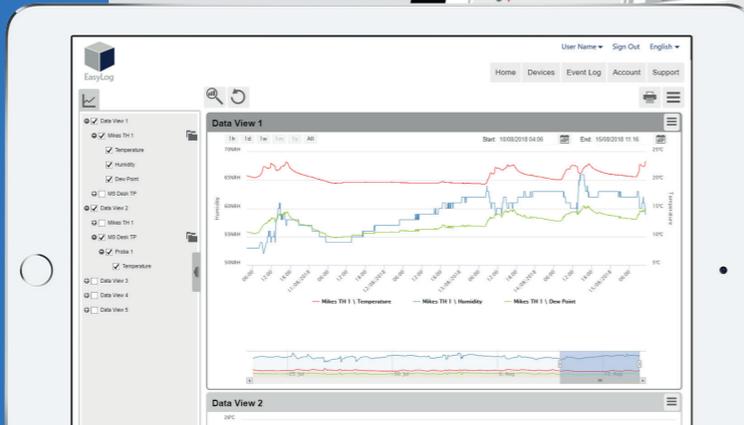
Critical events are notified to specific users in seconds via an alarm system that's easily tailored to your exact requirements.

Data is accessible 24/7 and powerful online tools make it simpler than ever to view, compare and analyse readings. An audit trail is automatically created that includes both system and data events.

System administration features allow you to set up and manage multiple account users, with individually assigned access to specific locations and functions.

Starter and Professional accounts are available, always flexible and with no locked-in contracts.

All EasyLog Cloud data is securely stored at a fully accredited data centre.

EasyLog Cloud App

Available for Android and Apple devices, the EasyLog Cloud app enables you to monitor and manage your wireless sensors on the go.

Key features include:

- Alarm and device status at a glance

- Favourites tab for your most important sensors

- View data, graphs and events

- Change sensor and alarm settings

- Free to download

GET IT ON
Google Play

Cloud

Download on the
App Store

Cloud-enabled Products

EL-WEM+ ▶
WiFi Indoor Air Quality Monitor

EL-IOT ▶
WiFi Cloud-Connected Data Loggers

EL-WiFi ▶
Wireless data loggers with display

EL-SIE ▶
Upload data to the Cloud from the latest range of USB data loggers

The Power of IoT

Standalone Data Logging

 EasyLog

EasyLog USB
Simple & low-cost

Lascar's standalone USB data loggers measure a number of parameters including temperature, humidity, voltage, current, 4-20mA, event/count/state and carbon monoxide.

EasyLog USB data loggers connect directly into the USB port of a PC or laptop. The free Windows™ software for set-up and data download is both streamlined and easy to use. Choose a logger name, sample rate, alarm levels and start mode before recording. After data has been collected, it can be graphed or exported to Excel, PDF, graph, data or summary report for further analysis.

Each data logger is supplied with a battery and features red/green LEDs to indicate data logging status. Some models include an LCD and push-button to show the most recent, maximum and minimum readings while logging. Most temperature and temperature & humidity data loggers also provide waterproof protection for outdoor use.

In this range:

Temperature	Temp/RH	Thermocouple	Thermistor	Voltage	Current	Event, State, Count	Carbon Monoxide	Pressure	PM1, 2.5 and 10	VOCs	Carbon Dioxide	Ultra Low Temperature

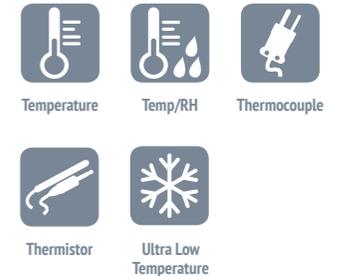# EL-WiFi Sensors & Remote Monitoring

 EasyLog

The EL-WiFi range of temperature and humidity data loggers allow you to remotely monitor any environment. Data is uploaded to the EasyLog Cloud using a standard WiFi network, eliminating the need to physically connect the devices to a PC.

Each sensor features a rechargeable battery or can be permanently powered using a USB wall adapter. The large LCD screen displays real-time data, while the button cycles through the maximum and minimum readings.

The range includes data loggers for monitoring temperature, using internal and external temperature probes, and humidity. Sensors are also available in single and dual channel formats.

In this range:

Temperature	Temp/RH	Thermocouple

Thermistor	Ultra Low Temperature

Wireless Alert PRO

WiFi connected alerts

The Wireless Alert PRO's are a range of low-cost, real-time monitoring products designed to instantly alert you to a breach in your pre-set high and low parameter limits. Simply plug your device in, and leave it to monitor the environment.

In this range:

Temperature Temp/RH Thermocouple Ultra Low Temperature

- All the Wireless Alert PRO devices are permanently powered by a USB-C connection

- Easy to set up your own limits in the FilesThruTheAir App

- Real-time alerts are sent by push notification to your smartphone or by email

- Set up scheduled summary reports to include minimum, maximum and average temperature, power status, number of alerts and total time spent in an alert.

- A quick look at the FilesThruTheAir dashboard will show you any alert status and last reported readings of any device connected to your account

Smart Probes

Lascar's smart probes provide accurate and efficient measurements and offer simplified calibration processes. These advanced probes are designed to seamlessly integrate with data loggers, enabling precise data collection in various industries and applications.

Calibration is made simple through quick and simple probe swap out, so there is no need to worry about logger downtime.

With their intelligent features and simplified calibration, smart probes enhance the efficiency and effectiveness of data logging, enabling users to focus on analysing and utilising the collected data for informed decision-making.

In this range:

Temperature Temp/RH Thermistor Thermocouple

VACX & TPX+ Smart Probes

High accuracy smart vaccine temperature probes

TH & TH+ Smart Probes

External temp/humidity smart probe. Standard and higher accuracy options.

TP Smart Probe

External thermistor smart probe. Standard and higher accuracy options available.

TC Smart Probe

External thermocouple smart probe. K-Type supplied.

EasyLog

▲ EL-GFX-1   ▲ EL-GFX-2   ▲ EL-GFX-D2   ▲ EL-GFX-DTP

▲ EL-SGD 43-ATP   ▲ EL-SGD 70-ATP

ALARMS: HIGH 8°C LOW 2°C — **EasyLog** CHILLED GOODS — STATUS:

ALARMS: HIGH 8°C LOW 2°C — **EasyLog** CHILLED GOODS EL-CC-2-001 — TEMP OK

STATUS START MARK STOP — **ALARMS:** HIGH 8°C LOW 2°C — **EasyLog** CHILLED GOODS — STATUS:

▲ EL-CC-1-001 PK10
EL-CC-1-002 PK10
EL-CC-1-003 PK10
EL-CC-1-004 PK10

▲ EL-CC-2-001 PK10   EL-CC-2-004 PK10
EL-CC-2-002 PK10   EL-CC-2-005 PK10
EL-CC-2-003 PK10   EL-CC-2-006 PK10

▲ EL-PDF-1-001 PK10
EL-PDF-1-002 PK10
EL-PDF-1-003 PK10
EL-PDF-1-004 PK10

EasyLog GFX
Advanced data logging

The robust EasyLog GFX range brings a more advanced feature set to the monitoring of temperature and humidity.

EL-GFX products feature an increased memory capacity (250,000 readings per channel), 0.1 digit resolution across all parameters, LED and audible alarms, as well as a graphic display which shows real-time trend graphs and data summaries.

An on-screen menu provides the capability for users to start, stop and restart the data logger in the field.

Connecting to a PC via a micro-USB cable, the EasyLog GFX range uses EasyLog USB software for set up and download with additional functions including conditional start mode, delayed alarm function and probe calibration.

The range also includes dual-channel data loggers for reduced cost per channel.

In this range:

Temperature   Temp/RH   Thermocouple   Thermistor

Four-Channel, OEM Data Logging Displays

EL-SGD 43-ATP and EL-SGD 70-ATP are four-channel temperature data loggers based on PanelPilotACE technology and ideal for anyone that needs to quickly add temperature monitoring to an existing panel or standalone product. Both the 4.3" or 7" panel mounted display modules include a four-channel thermistor temperature board and four compatible temperature probes.

Both displays are pre-loaded with an advanced logging application which shows real-time readings for all four temperature channels and live trend graphs and gives access to a suite of real-time data analysis information. The loggers can store up to 100,000 readings per channel at sample rates from 15 seconds to 12 hours.

Thermistor

EasyLog Cold Chain

Lascar's Cold Chain family of data loggers provides users with a cost effective solution for all stages of Cold Chain logistics. Available with pre-programmed sample rates and alarms for monitoring a variety of goods, simply press an on-board button to start logging.

Status LEDs indicate whether the unit is in logging mode, an alarm has been activated or the battery is low. Download data by inserting the logger into a PC or laptop to view a graph of the logging session as a CSV file or PDF.

EL-PDF-1 eliminates the need for software with Start and Stop Logging buttons on-board and an auto-generated PDF report when inserted into a USB port.

EL-CC-1: Temperature devices for monitoring Chilled Goods, Frozen Goods and Ripening Goods.

EL-CC-2: Temperature and humidity devices for monitoring Pharmaceutical and Food goods.

EL-PDF-1: Temperature devices for monitoring Chilled Goods, Frozen Goods, Ripening Goods and Ambient Pharmaceutical Goods. No software required.

Not the alarm level configurations you were looking for? We welcome requests for custom configurations.

In this range:

Temperature   Temp/RH

Remote Monitoring

When using a PC or laptop to configure and download data just isn't possible, Lascar have a variety of remote options covering a multitude of communication platforms.

Select Bluetooth, Wireless or SMS options for seamless, remote monitoring using one of Lascar's easy to use Apps.

Use your smartphone or tablet to configure your device, then let it log and use your smartphone or tablet again to collect the data. Simple, easy remote monitoring.

EasyLog

High Alert

Sensor Name: Fridge One
Event Time: 11:32
Alert Level: 5°C
Probe Reading: 8°C

You received this message because your email address was used to set up this sensor. To stop receiving emails from this sensor click unsubscribe.

Use the FilesThruTheAir app available on Google Play or the App Store to set this sensor up again.

In this range:

Temperature

Temp/RH

EL-BT-2
Bluetooth temperature and humidity data logging

The EL-BT-2 data logger measures and stores over half a million temperature and humidity readings. The user can easily set up the logger and view downloaded data remotely on any suitable Android device via Bluetooth connection.

Downloaded data can then be saved, uploaded or emailed. The LCD screen on the device indicates

Bluetooth connection status as well as logger operation. The push button allows cycling of current, minimum and maximum recorded values.

The EL-BT-2 comes with rechargeable battery or can be used with a USB wall charger.

Wireless Alert
WiFi-enabled, wall-mountable temperature monitor

Wireless Alert range measures temperature and humidity notifying the user via email, or SMS (PRO range only) whenever the temperature or humidity rises above or below the user-defined limits. This means that fast, corrective action can be taken to rectify an issue, preventing damage to temperature or humidity-sensitive materials, or ensuring building occupant comfort. With easy set-up using the step-by-step guide in the free Wireless Alert App, the device can send out scheduled summary reports detailing minimum, maximum and average temperatures, as well as battery level, number of notifications sent, and the total time spent in alert mode.
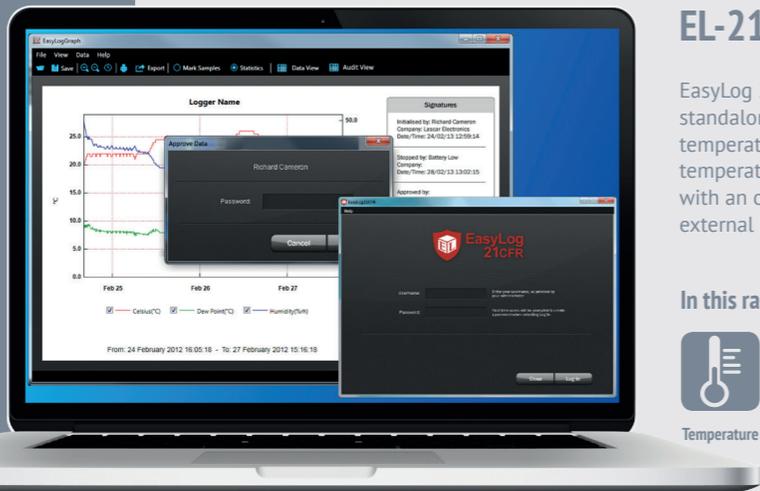
files thru the air

21 CFR Compliance

Lascar's latest software offering allows users to store data in compliance with the regulations of 21 CFR Part 11. As well as the core offerings of Lascar's existing EasyLog software, individual users can now be assigned specific permissions.

The readings collected from the data logger are stored in an encrypted format which cannot be edited. EasyLog 21 CFR software provides a full audit trail of activities, with users able to add comments to specific readings before being approved by an authorised user. Electronic signatures are added to all of the reports to show who has started, stopped and approved the session data. The software is compatible with data loggers monitoring temperature, relative humidity and dew point.

▲ EL-21CFR-1-LCD
EL-21CFR-2-LCD
EL-21CFR-2-LCD+

▲ EL-21CFR-TP-LCD
EL-21CFR-TP-LCD+

▲ EL-21CFR-VAC
EL-21CFR-ULT
EL-21CFR-ULT+

▲ EL-21CFR-TC

▲ EL-WiFi-21CFR-T
EL-WiFi-21CFR-TH
EL-WiFi-21CFR-TH+

▲ EL-WiFi-21CFR-TP
EL-WiFi-21CFR-TP+

▲ EL-WiFi-21CFR-DTP+

▲ EL-WiFi-21CFR-TC
EL-WiFi-21CFR-DTC

▲ EL-WiFi-21CFR-VAC
EL-WiFi-21CFR-VAC2
EL-WiFi-21CFR-DULT
EL-WiFi-21CFR-DULT+
EL-WiFi-21CFR-ULT
EL-WiFi-21CFR-ULT+

EL-21CFR USB

EasyLog 21 CFR software is compatible with nine standalone USB devices monitoring standard temperature, relative humidity and dew point; temperature using an external probe; temperature with an on-board sensor and temperature using a external K type thermocouple.

In this range:

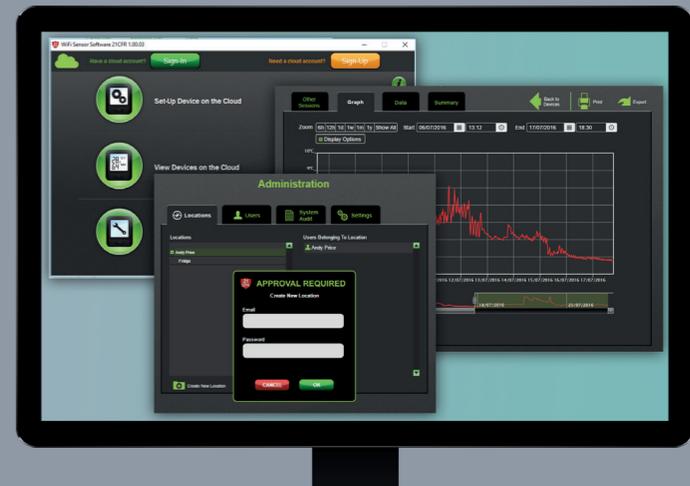Temperature   Temp/RH   Thermocouple   Thermistor   Ultra Low Temperature

EL-21CFR WiFi

For users seeking a remote option, Lascar's EL-WiFi-21CFR series provides WiFi-based sensors wirelessly capturing and storing data for access from any internet-enabled device. Products in the range measure temperature (via on board sensor, external thermistor probe or external thermocouple probe) or temperature, relative humidity and dewpoint.

In this range:

Temperature   Temp/RH   Thermocouple   Thermistor   Ultra Low Temperature

21 CFR Data Logging

EL-IOT range

EL-IOT-1
Wireless Cloud-Connected Ambient Temperature Data Logger
-20°C to +60°C (-4°F to +140°F) range

EL-IOT-SP-TC
Wireless Cloud-Connected Data Logger with Temperature Thermocouple Probe
0°C to +200°C (32°F to +392°F) range

EL-IOT-SP-TH   Higher accuracy available: EL-IOT-SP-TH+
Wireless Cloud Connected Data logger with Temperature and Humidity Probe
-30°C to +80°C (-22°F to +176°F), 0%RH to 100%RH

EL-IOT-CO2
Wireless CO_2 and Air Quality Data Logger
-18 to +55°C (-0.4 to +131°F) range, 0 to 40,000ppm range (CO_2)

EL-IOT WALL BRACKET
Magnetic wall mounting bracket for EL-IOT

PSU EL-IOT
EL-IOT mains power adapter

Air Quality

EL-WEM
Indoor Air Quality Monitor
-20 to +60°C (0 to 95%RH) range

EL-WEM+
WiFi CO_2 and Indoor Air Quality Monitor,
-20 to +60°C (0 to 95%RH) range 0 to 40,000ppm range (CO_2)

EL-SIE range

EL-SIE-1   Higher accuracy available: EL-SIE-1+
USB temperature logger
-18 to +55°C (-0.4 to +131°F) range

EL-SIE-2   Higher accuracy available: EL- SIE-2+
USB temperature & relative humidity logger
-18 to +55°C (-0.4 to +131°F) range

EL-SIE-6+
USB temperature, relative humidity and pressure logger
-18 to +55°C (-0.4 to +131°F) range

EL-WiFi range

EL-WiFi-T   Higher accuracy available: EL-WiFi-T+
WiFi temperature sensor
-20 to +60°C (-4 to +140°F) range

EL-WiFi-TH   Higher accuracy available: EL-WiFi-TH+
WiFi temperature & humidity sensor
-20 to +60°C (-4 to +140°F) & 0 to 100% RH range

EL-WiFi-TP   Higher accuracy available: EL-WiFi-TP+
WiFi temperature sensor with external thermistor probe
Supplied with 1 probe -40 to +125°C (-40 to +257°F) range

EL-WiFi-DTP+
High accuracy dual channel WiFi temperature sensor with external thermistor probes. Supplied with 2 probes -40 to +125°C (-40 to +257°F) range

EL-WiFi-TC
WiFi temperature sensor with external thermocouple probe
K type probe provided 0 to +200°C (+32 to +392°F)
-270 to +1300°C (-454 to +2372°F) (J, K, N & T-type)

EL-WiFi-DTC
Dual channel WiFi temperature sensor with external thermocouple probes
Supplied with 2 K type probes 0 to +200°C (+32 to +392°F)
-270 to +1300°C (-454 to +2372°F) (J, K, N & T-type)

Vaccine monitoring range

EL-WiFi-VACX
High-Accuracy WiFi Vaccine Monitoring Kit With Alarm Warning Light and Sounder, -40 to +60°C (-40 to 140°F)

EL-USB-VAC
Kit combining a USB data logger with a glycol thermistor probe
-40 to +60°C (-40 to +140°F) range

EL-WiFi-VAC
Kit combining a WiFi data logger with glycol thermistor probe
-40 to +60°C (-40 to +140°F) range

EL-WiFi-VAC2
Kit combining a WiFi dual channel data logger & two glycol probes
-40 to +60°C (-40 to +140°F) range

EL-GFX-VAC2
Kit combining a USB dual channel data logger with two glycol probes
-40 to +60°C (-40 to +140°F) range

Smart Probes

EL-SP-TH
Temperature and humidity smart probe with 2 metre cable

EL-SP-TH+
High accuracy temperature and humidity smart probe with 2 metre cable

EL-P-TPX+
High accuracy smart temperature probe with 3 metre cable

EL-P-VACX
High accuracy smart vaccine temperature glycol probe

EL-SP-TC
Thermocouple smart probe with 1.5 metre cable

EL-SP-TC CAL
Pre-calibrated Thermocouple smart probe with 1.5 metre cable

EL-SP-TP
External Thermistor smart probe with 1.5 metre cable

EL-SP-TP+
High accuracy external Thermistor smart probe with 1.5 metre cable

Standard Probes

EL-P-VAC
High accuracy, 3m thermistor type A probe sealed in a Glycol filled bottle

EL-P-TP
Basic type 2 thermistor probe for use with standard TP data loggers

EL-P-TP+
Type A higher accuracy thermistor probe for use with standard TP+ data loggers

EL-P-TC-K
General purpose K-Type probe for use with all Lascar Thermocouple data loggers

Range Guide

EL-USB range (left column)

EL-P-TC-T-ULT — Higher accuracy available: EL-P-TC-T-ULT+
Ultra Low Temperature probes for cryogenic vaccine monitoring

EL-P-TC-K-SPIKE
K Type Thermocouple probe for use with all Lascar Thermocouple data loggers

EL-PROBE-EXTENDER-1.5M / EL-PROBE-EXTENDER-3M / EL-PROBE-EXTENDER-5M / EL-PROBE-EXTENDER-10M
1.5, 3, 5 or 10 metre probe extension cable

EL-USB range

EL-USB-1
USB Temperature
-35 to +80°C (-31 to +176°F) range

EL-USB-1-PRO
USB Industrial temperature
-40 to +125°C (-40 to +257°F) range

EL-USB-2 — Higher accuracy available: EL-USB-2+
USB Temperature & relative humidity
-35 to +80°C (-31 to +176°F) & 0 to 100% RH range

EL-USB-3
USB Voltage
0 to 30V d.c. range

EL-OEM-3 — Development kit inc EL-OEM-3: EL-OEM-TEST
OEM packaged voltage
0 to 2.4V d.c. measurement range

EL-USB-TC
USB Thermocouple
K type probe provided 0 to +200°C (+32 to +392°F)
-200 to +732°C (-328 to +1350°F) (J, K & T-type)

(middle column)

EL-USB-TP-LCD — Higher accuracy available: EL-USB-TP-LCD+
USB Thermistor probe with LCD
-40 to +125°C (-40 to +257°F) range

EL-USB-1-LCD
USB Temperature with LCD
-35 to +80°C (-31 to +176°F) range

EL-USB-1-RCG
USB Temperature with rechargeable battery
-20 to +60°C (-4 to +140°F) range

EL-USB-2-LCD — Higher accuracy available: EL-USB-2-LCD+
USB Temperature & relative humidity with LCD
-35 to +80°C (-31 to +176°F) & 0 to 100% RH range

EL-USB-4
USB 4-20 mA Current
4-20 mA d.c. measurement range

EL-USB-CO — Higher accuracy available: EL-USB-CO300
USB Carbon monoxide
0 to 1000ppm range

EL-USB-TC-LCD
USB Thermocouple with LCD
K type probe provided 0 to +200°C (+32 to +392°F)
-200 to +732°C (-328 to +1350°F) (J, K & T-type)

EL-USB-5 — Higher accuracy available: EL-USB-5+
USB Event, count & state
Up to 100Hz

EL-USB-LITE
USB Low Cost temperature
-10 to +50°C (+14 to +122°F) range

Cold Chain range (Custom configurations are available on request)

EL-CC-1-001 PK10 (Pack of 10)
Temperature - Chilled Goods, +2 to +8°C alarm threshold
-30 to +60°C (-22 to +140°F) range

EL-CC-1-002 PK10 (Pack of 10)
Temperature - Frozen Goods, -20 to -16°C alarm threshold
-30 to +60°C (-22 to +140°F) range

EL-CC-1-003 PK10 (Pack of 10)
Temperature - Ripening Goods, +12 to +14°C alarm threshold
-30 to +60°C (-22 to +140°F) range

EL-CC-1-004 PK10 (Pack of 10)
Temperature - Ambient Pharma, +8 to +25°C alarm threshold
-30 to +60°C (-22 to +140°F) range

EL-CC-2-001 PK10 (Pack of 10)
Temp/RH - Chilled Goods, +2 to +8°C alarm threshold
-30 to +60°C (-22 to +140°F) 0 to 100% RH range

EL-CC-2-002 PK10 (Pack of 10)
Temp/RH - Frozen Goods, -20 to -16°C alarm threshold
-30 to +60°C (-22 to +140°F) 0 to 100% RH range

EL-CC-2-003 PK10 (Pack of 10)
Temp/RH - Ripening Goods, +12 to +14°C alarm threshold
-30 to +60°C (-22 to +140°F) 0 to 100% RH range

EL-CC-2-004 PK10 (Pack of 10)
Temp/RH - Ambient Pharma, +8° to +25°C alarm threshold
-30 to +60°C (-22 to +140°F) 0 to 100% RH range

EL-CC-2-005 PK10 (Pack of 10)
Temp/RH - Blood Transportation, +1 to +10°C alarm threshold
-30 to +60°C (-22 to +140°F) 0 to 100% RH range

EL-CC-2-006 PK10 (Pack of 10)
Temp/RH - Platelets Transportation, +20 to +24°C alarm threshold
-30 to +60°C (-22 to +140°F) 0 to 100% RH range

EL-PDF-1-001 PK10 (Pack of 10)
Temperature - Chilled Goods, +2 to +8°C alarm threshold
-30 to +60°C (-22 to +140°F) range. No Software Required

EL-PDF-1-002 PK10 (Pack of 10)
Temperature - Frozen Goods, -20 to -16°C alarm threshold
-30 to +60°C (-22 to +140°F) range. No Software Required

EL-PDF-1-003 PK10 (Pack of 10)
Temperature - Ripening Goods, +12 to +14°C alarm threshold
-30 to +60°C (-22 to +140°F) range. No Software Required

EL-PDF-1-004 PK10 (Pack of 10)
Temperature - Ambient Pharma Goods, +8 to +25°C alarm threshold
-30 to +60°C (-22 to +140°F) range. No Software Required

Remote monitoring range

EL-BT-2
Bluetooth Temperature & humidity with App -20 to +60°C (-4 to +140°F) & 0 to 100% RH range

Wireless Alert T
Temperature monitor with email alerts

Wireless Alert TH
Temperature and humidity monitor with email alerts

Wireless Alert TP
Temperature monitor with email alerts

Wireless Alert DC
Door contact monitor with email alerts

Wireless Alert LD
Leak detection monitor with email alerts

Wireless Alert CM
Contact monitor for connecting to volt-free contacts

Wireless Alert TP-P
Battery-powered pipe temperature sensor

WA-PRO-T — Higher Accuracy Available: WA PRO T+
Ambient Temperature Limit Alert Sensor

WA-PRO-TP — Higher Accuracy Available: WA PRO TP+
Temperature Probe Limit Alert Sensor

WA-PRO-VAC
Vaccine Temperature Limit Alert Sensor

WA-PRO-THP — Higher Accuracy Available: WA PRO THP+
Temperature and Humidity Probe Limit Alert Sensor

WA-PRO-TC
Thermocouple Temperature Limit Alert Sensor

WA-PRO-ULT
Ultra Low Temperature Limit Alert Sensor

21CFR Compliant range

EL-21CFR-1-LCD
USB Temperature with LCD
-35 to +80°C (-31 to +176°F) range

EL-21CFR-2-LCD — Higher accuracy available: EL-21CFR-2-LCD+
USB Temperature & relative humidity with LCD
-35 to +80°C (-31 to +176°F) 0 to 100% RH range

EL-21CFR-TP-LCD — Higher accuracy available: EL-21CFR-TP-LCD+
USB Thermistor probe with LCD
-40 to +125°C (-40 to +257°F) range

EL-21CFR-TC
USB Thermocouple data logger, K type probe provided 0 to +200°C (+32 to +392°F) -200 to +1350°C (-328 to +2462°F) range (J, K, N & T-type)

EL-21CFR-VAC
Kit combining a USB data logger and glycol bottle thermistor probe
-40 to +60°C (-40 to +140°F)

EL-WiFi-21CFR-T — Higher accuracy available: EL-WiFi-21CFR-T+
WiFi Temperature data logging sensor
-20 to +60°C (-4 to +140°F) range

EL-WiFi-21CFR-TH — Higher accuracy available: EL-WiFi-21CFR-TH+
Temperature & relative humidity data logging sensor
-20 to +60°C (-4 to +140°F) range, 0 to 100% RH range

EL-WiFi-21CFR-TP — Higher accuracy available: EL-WiFi-21CFR-TP+
WiFi Thermistor probe data logger
-40 to +125°C (-40 to +257°F) range

EL-WiFi-21CFR-DTP+
High accuracy dual channel WiFi thermistor probe data logger
-40 to +125°C / -40 to +257°F range

EL-WiFi-21CFR-TC
WiFi Thermocouple data logger
-200 to +1350°C (-328 to +2462°F) range (J, K, N & T-type)

EL-WiFi-21CFR-DTC
WiFi Dual-channel thermocouple data logger
K type probe provided 0 to 200°C (32 to 392°F)
-200 to +1350°C (-328 to +2462°F) range (J, K, N & T-type)

EL-WiFi-21CFR-VAC
Kit combining a WiFi data logger and glycol bottle thermistor probe
-40 to +60°C (-40 to +140°F) range

EL-WiFi-21CFR-VAC2
Kit combining a WiFi dual channel data logger and two glycol bottle probes -40 to +60°C (-40 to +140°F) range

EL-ULT range

EL-WiFi-ULT — Higher Accuracy Available: WiFi-ULT+
WiFi Cryogenic Vaccine Data Logger with Display -100 to +100°C (-148 to +212°F)

EL-USB-ULT — Higher Accuracy Available: EL-USB-ULT+
-100 to +100°C (-148 to +212°F) Ultra Low Temperature Cryogenic Vaccine Data Logger

EL-USB-ULT-LCD — Higher Accuracy Available: EL-USB-ULT-LCD+
-100 to +100°C (-148 to +212°F) Ultra Low Temperature Cryogenic Vaccine Data Logger

EL-WiFi-DULT — Higher Accuracy Available: EL-WiFi-DULT+
-100 to +100°C (-148 to +212°F) WiFi Dual Channel Cryogenic Vaccine Data Logger with Display

EL-WiFi-21CFR-ULT — Higher Accuracy Available: EL-WiFi-21CFR-ULT+
-100 to +100°C (-148 to +212°F) 21CFR-Compliant WiFi Cryogenic Vaccine Data Logger with Display

EL-21CFR-ULT — Higher Accuracy Available: EL-21CFR-ULT+
-100 to +100°C (-148 to +212°F) 21CFR-Compliant Ultra Low Temperature Cryogenic Vaccine Data Logger

EL-WiFi-21CFR-DULT — Higher Accuracy Available: EL-WiFi-21CFR-DULT+
-100 to +100°C (-148 to +212°F) 21CFR-Compliant Dual Channel WiFi Cryogenic Vaccine Data Logger with Display

EL-GFX range

EL-GFX-1
USB Temperature with graphic screen
-30 to +80°C (-22 to +176°F) range

EL-GFX-2 — Higher Accuracy Available: EL-GFX-2+
USB Temperature & relative humidity with graphic screen
-30 to +80°C (-22 to +176°F) & 0 to 100% RH range

EL-GFX-D2
USB dual channel external temp/RH probe with graphic screen
-20 to +60°C (-4 to +140°F) & 0 to 100% RH range

EL-GFX-TC
USB Thermocouple with graphic screen
K type probe provided 0 to +200°C (+32 to +392°F)
-200 to +1350°C (-328 to +2462°F) (J, K & T-type)

EL-GFX-DTC
USB dual channel thermocouple with graphic screen
K type probe provided 0 to +200°C (+32 to +392°F)
-200 to +732°C (-328 to +2462°F) (J, K & T-type)

EL-GFX-DTP
USB dual channel thermistor with graphic screen
-40 to +125°C (-40 to +257°F) range

4-Channel range

EL-SGD 43-ATP
4.3" panel mounted display module with capacitive touch screen, a four-channel thermistor temperature board, x4 temperature probes
-40°C to +125°C (-40°F to +257°F) range

EL-SGD 70-ATP
7" panel mounted display module with capacitive touch screen, a four-channel thermistor temperature board, x4 temperature probes
-40°C to +125°C (-40°F to +257°F) range

Accessories

EL-CC-BAG
Pack of 5 waterproof bags for use when reusing all EL-CC-1 data loggers

EL-USB-CASE
Protective metal case for EL-USB-1

EL-WiFi WALL BRACKET
Spare wall mount bracket for EL-WiFi sensor units

BAT 3V6 1/2AA
Non-rechargeable 1/2 AA Lithium battery for use with most Lascar data loggers

BAT 3V6 2/3AA H TEMP
Non-rechargeable 2/3 AA Lithium battery for EL-USB-1-PRO

BATT 3VX5
Pack of 5 non-rechargeable Lithium coin cell battery for EL-USB-LITE

PSU-5VDC-USB-USA / PSU USB-UK / PSU USB-EU
Mains Power Adapter

USB-CAP-30V
Spare Cap for EL-USB-3

USB-CAP-4-20
Spare cap for EL-USB-4

USB-CAP-5
Spare Cap for EL-USB-5

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www.lascarelectronics.com/data-loggers