



“It is essential to keep records of temperature control in your food business” - HACCP

The successful progress of products from A to B often relies on ensuring the environment of those goods is maintained at optimum levels to maintain and prolong shelf life.

Continuously monitoring those environments throughout the shipping and transportation process provides essential records of what conditions were seen, including acceptable and unacceptable changes that may affect the condition of the products being shipped.

Lascar’s series of inexpensive and discrete standalone USB, WiFi and Bluetooth-enabled temperature and temperature & humidity devices provides the tools to monitor, report and store data collected during transportation, proving peace of mind that products arrive in the state they started their journey.

Low Cost:

Lascar’s family of cold chain data loggers provide users with cost-effective, multi-use loggers for all stages of the cold chain process. Pre-programmed with set sample rates and alarms for monitoring Chilled Goods, Frozen Goods and Ripening Goods, simply press an on-board button to start logging. Status LED’s indicate whether a unit is currently in logging mode, an alarm has been met during the session or whether the battery is low. Download data by inserting the logger into a PC’s USB port to view a graph and export a PDF.

- Waterproof
- Re-useable
- Low cost
- Free software to download data (EL-CC)
- Automatically exports data to PDF (EL-PDF)



EL-CC-1-001 PK10 (Pack of 10) T - Chilled Goods
 EL-CC-1-002 PK10 (Pack of 10) T - Frozen Goods
 EL-CC-1-003 PK10 (Pack of 10) T - Ripening Goods



EL-CC-2-001 PK10 (Pack of 10) T/RH - Chilled Goods
 EL-CC-2-002 PK10 (Pack of 10) T/RH - Frozen Goods
 EL-CC-2-003 PK10 (Pack of 10) T/RH - Ripening Goods



EL-PDF-1-001 PK10 (Pack of 10) T - Chilled Goods
 EL-PDF-1-002 PK10 (Pack of 10) T - Frozen Goods
 EL-PDF-1-003 PK10 (Pack of 10) T - Ripening Goods



Standalone

Lascar's EL-USB range includes discrete, battery powered data loggers that measure and store temperature readings on-board until data is downloaded via USB. Simple to set-up, just plug any of these devices into the computer USB port and, using Lascar's FREE software, name the device, choose a sampling rate, select high and low alarms if required and a logging start time. Loggers store up to 16,000 readings, includes displays showing max, min and last logged values as well as flashing alarm and low battery LEDs.

The EL-GFX family boasts over 250,000 readings per parameter, an on-screen display showing max, min and last logged values as well as an on-board graph of the data collected. Buttons allow the user to start, stop and restart the logger in the field and alarm breaches can be registered with both LED and audible alarms.



Remote

Remotely monitor all blood and blood components in storage using our WiFi connected devices. Lascar's WiFi sensors are easy to set-up using a smartphone App. Simply log on to your EasyLog Cloud account from any internet enabled device to access secure real-time and historical data, remotely change individual sensor settings and create individual locations for one or multiple devices.

Bluetooth

The EL-BT-2 data logger measures and stores up to 500,000 temperature and humidity readings. Within the free Android App you can set the sample rate, temperature scale, temperature and humidity alarms and variable start times. Downloaded data will be saved to your phone's memory card and can be viewed at any time. You can then send the data via email or your preferred cloud service to another device or Windows PC for further analysis.



Life on the Half Shell
Temperature Monitoring at Gold Coast Oysters LLC

EL-USB-1

Growing up on the Hood Canal, east of the magnificent Olympic Peninsula in the Pacific Northwest, Scott had sampled the region's most prominent export since he was a child. Tempered by the promise of a more relaxing schedule, it was to this famous export that his attention turned once more.

That same year, the couple obtained a license from the State Department of Health and Washington Department of Fish and Wildlife, and Gold Coast Oysters LLC was ready for business.

Oysters grow on the surface whilst clams sit a few inches below the sand. In both cases, as soon as the tide starts to go out, Scott, Ginger and their team start work. Each tidal cycle is about 6 hours with work limited to outgoing and incoming tidal routines. The Hood Canal producer's marketable oyster in about 5 years, so a beach worked one year might not be visited again for another three. Harvesting occurs all year round although recent outbreaks of the bacteria vibrio, which can make humans unwell if consumed in raw or undercooked shellfish, has limited the team's activity during the summer.

© 2014 Lascar Electronics Limited

Case Study: Life on the Half Shell

Gold Coast Oysters LLC, a commercial oyster farmer in the Pacific Northeast USA, are using Lascar's temperature data loggers out on the beds and for transportation to keep their crop alive and eliminate the risk of contamination. By utilising these loggers, the farmer can guarantee the stability of temperature conditions from oyster bed to kitchen table. To read the full case study, please visit:

www.lascarelectronics.com/case-studies/data-logging/usb-life-on-the-half-shell/

Top Products

	<p>EL-CC-1-001 PK10 (Pack of 10) T - Chilled Goods EL-CC-1-002 PK10 (Pack of 10) T - Frozen Goods EL-CC-1-003 PK10 (Pack of 10) T - Ripening Goods</p>			
	<p>EL-CC-2-001 PK10 (Pack of 10) T/RH - Chilled Goods EL-CC-2-002 PK10 (Pack of 10) T/RH - Frozen Goods EL-CC-2-003 PK10 (Pack of 10) T/RH - Ripening Goods</p>	<p>EL-USB-1 USB Temperature -35 to +80°C (-31 to +176°F) range</p>	<p>EL-USB-2 USB Temperature & relative humidity -35 to +80°C (-31 to +176°F) & 0 to 100% RH range</p>	<p>EL-GFX-1 USB Temperature with graphic screen -30 to +80°C (-22 to +176°F) range</p>
	<p>EL-PDF-1-001 PK10 (Pack of 10) T - Chilled Goods EL-PDF-1-002 PK10 (Pack of 10) T - Frozen Goods EL-PDF-1-003 PK10 (Pack of 10) T - Ripening Goods</p>	<p>EL-GFX-2 USB Temperature & relative humidity with graphic screen -30 to +80°C (-22 to +176°F) & 0 to 100% RH range</p>	<p>EL-WiFi-21CFR-T WiFi Temperature data logging sensor -20 to +60°C (-4 to +140°F) range</p>	<p>EL-WiFi-21CFR-TH Temperature & relative humidity data logging sensor -20 to +60°C (-4 to +140°F) range, 0 to 100% RH range</p>

Disclaimer: Every effort has been made to ensure the accuracy of this publication and no responsibility or liability can be accepted by Lascar Electronics Limited for any errors or omissions in the content of this document. Data and legislation may change, and so we strongly advise you to obtain and review the most recently issued regulations, standards, and guidelines. This publication does not form the basis of a contract.