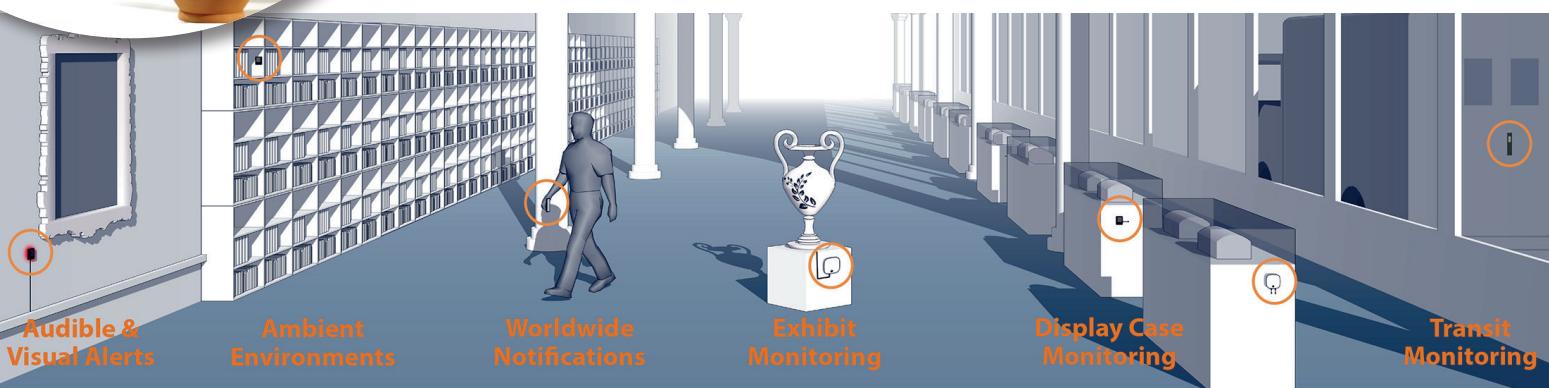




'An unstable level of humidity can cause hygroscopic materials to swell in high humidity and contract in low humidity.'

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 stored collections and receive early warnings of potentially damaging conditions with instant alarm notifications using our WiFi connected devices. They are easy to set-up using a smartphone App. From the smartphone App or web browser, simply log on to your EasyLog Cloud account to access secure real-time and historical data, remotely change individual sensor settings and create individual locations for one or multiple devices.

Lascar's range of temperature and temperature & humidity EL-WiFi 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-MOTE family provides a discreet solution without a display and has a built in sounder and LEDs providing an efficient alarm function. It's replaceable probes offer continued logging without re-calibration down time.

Case Study: Asia Society

This leading global educational organization uses Lascar's WiFi temperature and humidity loggers to monitor their collection of artefacts and works of art. To read the full case study, please visit: www.lascarelectronics.com/case-studies/data-logging/wifi-asia-society

Asia Society

Ensuring safe environments
for rare antiquities

Founded in 1956 by John D. Rockefeller 3rd, Asia Society is a nonpartisan, non-profit institution with major centers and offices in Asia, Europe, and North America. The museum, located at the Society's headquarters in New York, houses a collection that includes the Mr. and Mrs.

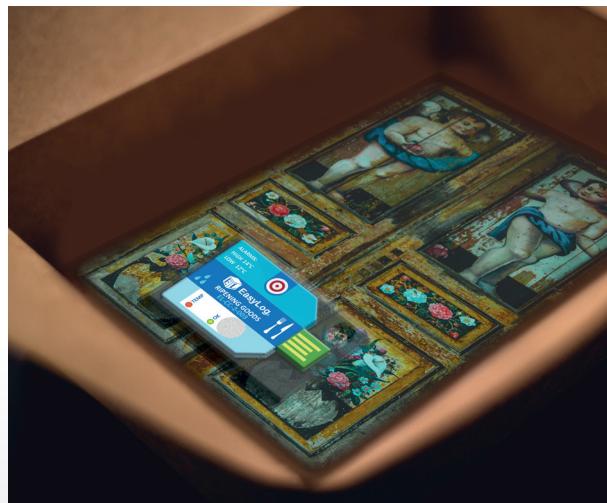
organic material, ivory, wood, and lacquer. The second room requires lower humidity (35-40%) for bronzes as well as collections of porcelain and stone. Maintenance of the correct humidity in both areas is vital in conserving these artifacts. In addition, the museum needs to track humidity readings in its two large and two small galleries where



Easy to Use Data Loggers

Lascar's EasyLog range includes discrete, battery powered data loggers that measure and store temperature and temperature & humidity readings on-board until data is downloaded via USB. Simple to set-up, just plug any of these devices into the computer's 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, and have flashing LEDs to indicate threshold breaches and low battery. There are models with displays that show max, min and last logged values.

EL-USB loggers can log and store data for >6 months (at 20 minute sample rate). The advanced EL-GFX family communicates alarm breaches with both LED and audible alarms and benefits from an extended memory. They feature a large display showing max, min or current recorded values for both channels simultaneously as well as an on-board graph of the data collected. The buttons allow the user to start, stop and restart the logger in the field.



Transportation

Monitor the temperature and humidity levels of your item in transit with a low-cost cold chain logger. Pre-programmed with set sample rates and alarms for an ambient environment, 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 triggered 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

Top Products



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-MOTE-TH/EL-MOTE-TH+

WiFi temperature and humidity sensor with external temp/RH probe. Supplied with 1 probe -30 to +60°C (-22 to +140°F) & 0 to 100% RH range.
(higher accuracy version available)



EL-WiFi-TH/EL-WiFi-TH+

WiFi temperature & humidity sensor -20 to +60°C (-4 to +140°F) & 0 to 100% RH range.
(higher accuracy version available)



EL-BT-2

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



EL-USB-2-LCD/EL-USB-2-LCD+

USB Temperature & relative humidity with LCD -35 to +80°C (-31 to +176°F) & 0 to 100% RH range.
(higher accuracy version available)



EL-CC-002

Family of cold chain Temp/RH loggers with a variation of pre-set alarm thresholds. Custom configurations can also be provided.

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.