

DATA LOGGER PROVIDES 21-CFR COMPLIANT WAREHOUSE TEMPERATURE & HUMIDITY MONITORING

LASCAR EL-21CFR-2-LCD LOGGER ALSO RECORDS DEW POINT



CAS DataLoggers provided the 21 CFR warehouse temperature and humidity monitoring solution for a facility which needed to monitor the environment within a storage room. Like many other Food & Beverage businesses, management needs to give inspectors a full audit trail of their perishable product's temperature history. For this, they were searching for a low-cost monitoring solution suitable for demonstrating [21 CFR Part 11 compliance](#).

INSTALLATION

After a brief phone consultation with USA distributor CAS DataLoggers, the warehouse purchased a [Lascar EL-21CFR-2-LCD Temperature, Humidity and Dew Point Data Logger](#). Lascar USB dataloggers provide an inexpensive and easy way to monitor multiple measurement values. Lascar EasyLog devices are ideal for data recording of Temperature, Humidity, Current/Voltage, and more—all independent of a PC.

USAGE

This standalone data logger measures and stores over 16,000 temperature and humidity readings from -31 to +176°F (-35 to +80°C) and 0 to 100%RH range at a resolution of 1°F (0.5°C) and 0.5%RH. Placing the datalogger anywhere inside the storage room is easy owing to the logger's compact design.

For local notification and alarm, the logger's high contrast LCD shows a variety of temperature and humidity information. At the touch of a button, users can cycle between the current temperature and humidity, along with the maximum and

minimum stored values for each. To ensure extended logging sessions, the EL-21CFR-2-LCD is supplied with a lithium metal battery, enabling up to 2 years' operation. The datalogger is also protected against ingress from water and dust to an IP67 standard when the cap is fitted.



EASY DATA RETRIEVAL

Taking environmental readings using its internal temperature and humidity sensors, the Lascar logger has been set to record a sample of both values every 15 minutes. Its built-in USB interface makes for easy connection to a PC for setup and downloading data. It's easy to set up the logger and view downloaded data by plugging the data logger into a PC's USB port and using the included EasyLog software.

Once downloaded onto a PC, data can later be graphed, printed and exported to other applications for detailed analysis.

SOFTWARE

Provided free of charge with each Lascar data logger, Lascar EasyLog 21 CFR software is easy to use and runs under Windows 2000 through 10. The software doubles as a way to prove best practices, delivering an affordable compliance solution.

Data is stored in a tamper-free format to ensure digital security and compliance. The encrypted data has full audit tracking to comply with the requirements of 21 CFR Part 11. EasyLog also allows users to log in to the software with specific permissions.

An easy wizard format to guide users through datalogger setup and subsequent download of collected data. The software also includes a new Summary Report giving users a quick overview.

BENEFITS

The Lascar logger covers the warehouse's need for monitoring both temperature and humidity, while also providing 21 CFR electronic documentation for inspectors. This complete solution has proven to be easy to use, affordable and reliable.

For more information on the [Lascar EL-21CFR-2-LCD Data Logger](#), warehouse temperature and humidity monitoring or to find the ideal solution for your application-specific needs, contact a CAS DataLogger Application Specialist at (800) 956-4437 or www.DataLoggerInc.com.