

# VAISALA

## Vaisala vLog Validation/ Mapping System



# Faster set-up, better data



*"We recently had one large pharmaceutical customer who had experienced some issues with a non-Vaisala thermal validation system... They made an internal decision to use only Vaisala data loggers for thermal validation."*

*Neil Enlow  
Performance Validation*

*"The Vaisala IQ/OQ protocol is very nicely done... [it's] very complete and saved us 2-3 weeks of work."*

*Stephan Montag  
Head of IT*

Compliance with strict regulatory guidelines and quality requirements demands accurate measurement, secure data, and comprehensive reporting. Unlike most other systems, the Vaisala vLog mapping system specifies temperature and relative humidity accuracy for one year, eliminating the cost of frequent calibrations. It's an easy-to-use, cost-saving, high-accuracy solution for mapping critical and GxP-regulated environments — from stability chambers, to freezers, to warehouses.

## Unmatched performance

The vLog system is the most accurate and effective solution for understanding your environments and complying with regulations. With data loggers that are easy to set up and place, you can initiate mapping studies in minutes.

Each data logger contains highly stable sensors, large internal memory, and a long-life battery, eliminating the threat of power failure or lost data.

vLog maintains all data and events in secure files, providing tamper-proof security with presentation-ready reports. You always have documentation on hand to evaluate each test quickly and meet 21 CFR Part 11 and other regulatory regimes.

Unlike other products that only state accuracy when equipment leaves the factory, Vaisala's data loggers are calibrated to maintain accuracy for one full year. Each one has traceable certification from our accredited calibration laboratories. Calibrations can be tailored to your requirements — including ICH guidelines.

## The vLog system provides:

- Temperature: -90 to 70 °C, up to 0.1 °C accuracy and 0.02 °C resolution
- Relative Humidity: 0 to 90 % RH, up to 1 % accuracy and 0.05 % resolution
- Audit trail, graphic and tabular reporting
- Measurement accuracy specified for one year

# Flexible and secure reporting

## Ease of use

Simply place the data loggers where you need them — no wires to handle. Their internal battery, internal memory, and stable sensors let you focus on test results instead of time-consuming setup and re-calibrations.

## High-quality reports

Display temperature and humidity on one graph or multiple separate graphs. Use cursor limit lines for quick indication that your study ran successfully.

Create standard and customized documents fast, including statistics such as minimum, maximum, and average values, mean kinetic temperature and other calculations, or export generic .csv files for further analysis.

## Secure data

With vLog's validated audit trail, no interaction within the system goes unrecorded. Data remains secure and tamper-proof, ensuring reports are always compliant with 21 CFR Part 11.

## Industry-standard security access

The vLog software leverages Windows password authentication so your IT staff can implement what they already use to protect company assets.

*"The Vaisala validation system reduced our setup time for temperature mapping by at least 80%."*

*Stephanie Cowan  
Validation Specialist*



*Ideal for mapping ICH Stability areas, Freezers, Refrigerators, Incubators and Warehouses.*



DL1016-1416

*"After researching several companies that offer data loggers for temperature validation, the decision to purchase from Vaisala was easy. The software is Part 11 compliant and the protocol is outstanding!"*

*Jean Wilson  
Senior Stability Scientist*

*Reports can be generated in tabular or graphic formats. Customizable graphics include limit lines for viewing results at a glance.*



# Comprehensive Support Service, Maintenance, Warranties



We design, develop and manufacture our own systems, which means that exceptional knowledge and support capabilities are available with the system. You can depend on accurate and responsive support for all your Vaisala products.

## Calibration

To maintain the high accuracy measurement of the vLog system, we perform calibrations and complete functional testing in our own accredited labs, which meet the standards of ISO/IEC 17025 & ANSI/NCSL Z540-1-1994.

Calibrations include:

- Verification of specifications against the original calibration
- Measurement accuracy specified for one year

To reduce the costs of calibration, we offer optional plans that provide protection from price increases.

Whether your applications are GxP-regulated or subject to other stringent quality guidelines, Vaisala's solutions deliver best-in-class accuracy, fail-safe data, and customizable solutions.

vLog software is available and supported directly from Vaisala and through our worldwide network of distributors.

*"It's terrific to have real people answering the phones and providing support."*

*Bob Burke  
IT Manager*

## Support

- IQ/OQ validation documentation
- Technical support – answers when you need them
- Cost-saving calibration plans
- Accredited calibrations with traceability documents
- Support plans

*"Over a 12-month period we could typically use a given DL-series logger for at least a dozen different projects for various clients... Depending on the year, we might do up to 20 or more validation projects between annual calibrations."*

*Neil Enlow  
Performance Validation*

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