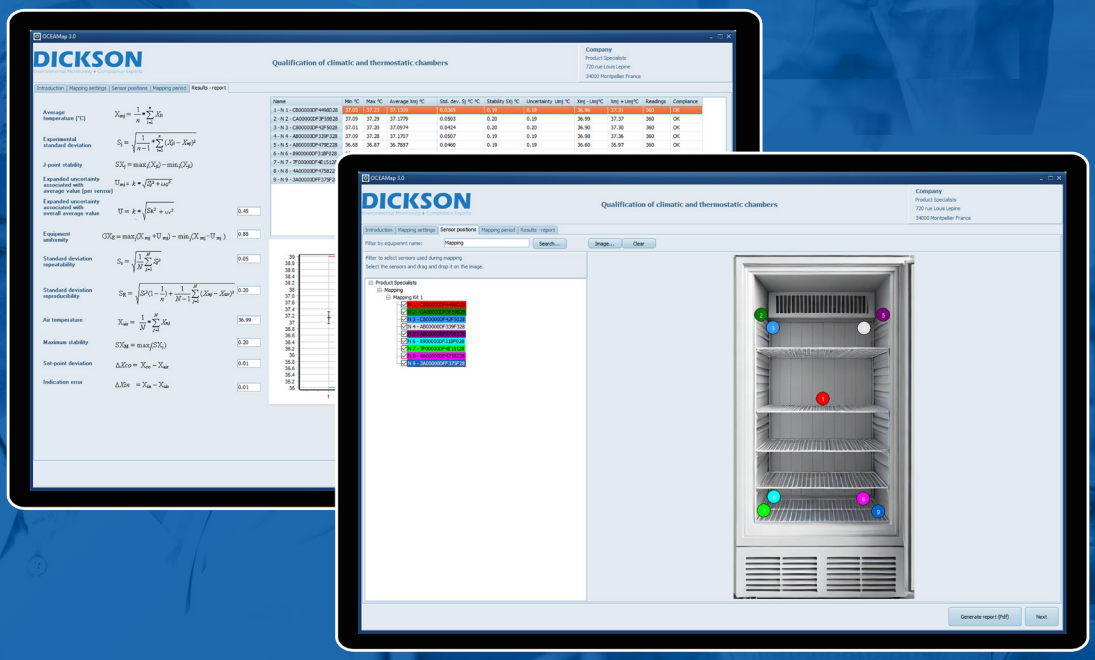
# OCEAMap 3

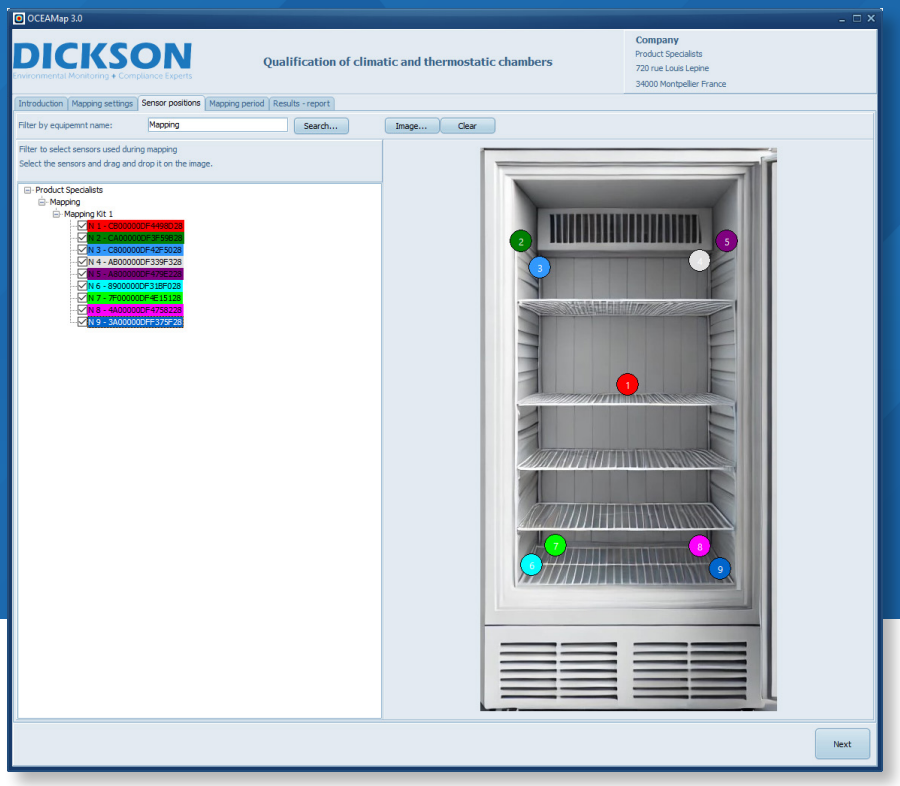
## Temperature Mapping Kit for OCEAView




DICKSON
Environmental Monitoring + Compliance Experts

# Easy and flexible temperature mapping at your disposal

OCEAMap enables you to establish temperature profiles for all types of controlled temperature enclosures. The application analyzes readings from data loggers in the OCEAView monitoring solution and generates a detailed report in compliance with the FD X 15-140 standard.




## What is temperature mapping?

Temperature mapping is the process of analyzing readings from sensors placed at different locations within a climate controlled space, over a given period of time. This allows you to establish a temperature profile and ensure that critical items are stored correctly under the expected conditions and within defined temperature tolerances.

## Why do you need temperature mapping?

When operating in highly regulated industries, organizations need accurate information regarding the performance of their controlled temperature equipment and facilities. Temperature variations within a given enclosure are common and can impact the placement of stored items, such as medical products and food. Mapping therefore helps you ensure the safety of temperature-sensitive products, and allows you to know where to place your control probe for day-to-day monitoring.

## Compatible with all OCEAView data loggers

If you can use a data logger with OCEAView, you can use it with OCEAMap! Dickson offers all-inclusive mapping kits, such as the OCEAMap 15-point Kit, or you can use your existing OCEAView account and data loggers. Dickson can provide mapping kits with 9, 15, or any number of measurement points to match your needs and equipment. OCEAMap's flexibility enables you to leverage data collected in OCEAView to set up a solution adapted to any application.

# How it works

OCEAMap guides you through a simple step-by-step process to generate detailed mapping reports for your controlled temperature enclosures.

01

### Place data loggers and start logging in OCEAView

Set up your data loggers in OCEAView and position them in the chamber or enclosure you want to map. Mapping typically involves 9 or 15 measurement points, but you can use however many you want.

02

### Describe your equipment and methodology, then position data loggers on an image of your enclosure

You can specify the set-point, details about the equipment, and add comments during the process.


03

### Collect the desired number of sensor readings

OCEAMap requires at least 30 readings per sensor, as specified in the FD X 15-140 standard. You can extend data collection beyond the minimum required by the standard.

04

### Generate a detailed temperature profile and compliance report

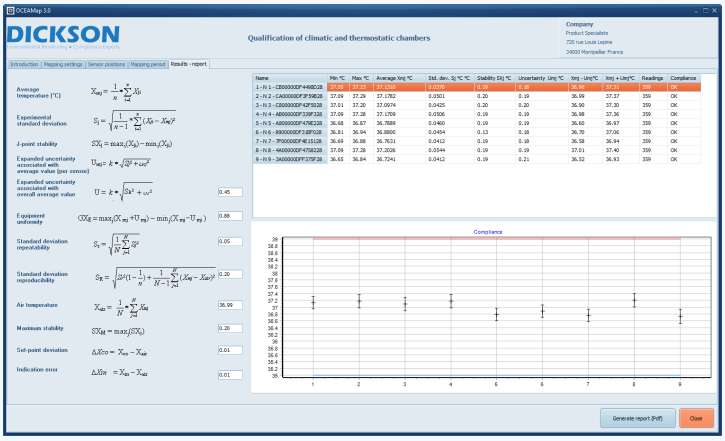
Use your mouse to highlight the range of readings you want to include in your report and press generate! That's all there is to it. OCEAMap produces a detailed report using a customizable template in MS Word format and generates individual data files in case custom analysis is required.

# Compliance with FD X 15-140

This standard defines a rigorous set of specifications for evaluating controlled temperature environments, including refrigerators, freezers, cold rooms, warehouses, and laboratories.

### ✔ 9, 15, or any number of sensors

Temperature readings typically from 9 or 15 sensors, or any number you choose, in air are analyzed to determine the real behavior of a given enclosure.

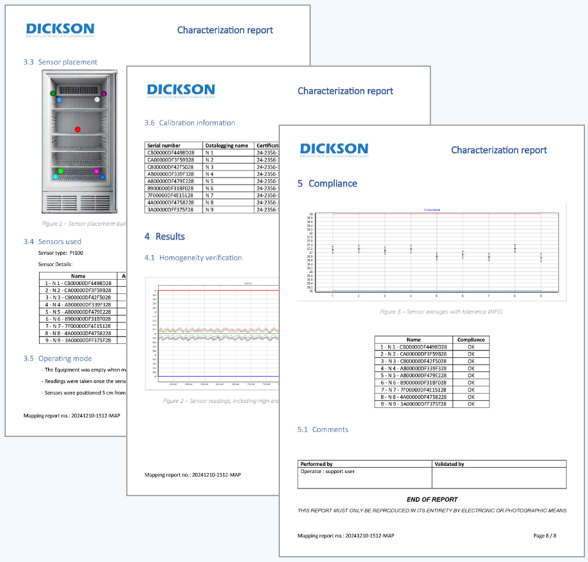



### ✔ Accurate temperature profile of your storage space

Use OCEAMap to determine compliance or non-compliance with respect to the maximum permissible error (MPE) range.

### ✔ Complete report and detailed data

Clearly presented calculation methods and results in the report are in compliance with the requirements of the FD X 15-140 standard. OCEAMap uses a customizable template to generate a report in MS Word format, accompanied by individual files and images with detailed data.



## OCEAMap features

- Supports all data loggers compatible with OCEAView Cloud or On-premises platforms
- Compatible with existing or dedicated OCEAView solution
- Complete kits with everything you need to produce mapping reports
- Guided step-by-step process with editable fields for comments
- Drag and drop data logger placement onto imported photos of your own equipment
- Data collected from OCEAView and updated automatically in OCEAMap
- Automatic calculations in compliance with FD X 15-140 - 2013 standard (OCEAMap version for FD X 15-140 - 2024 under development)
- Customizable report template
- All data also provided as individual .CSV and .BMP files
- Flexible number of monitoring points: 9, 15, or more according to your needs

## Calculations included in report results

- Average temperature per sensor
- Experimental standard deviation
- J-point stability
- Expanded uncertainty associated with average value (per sensor)
- Expanded uncertainty associated with overall average value
- Equipment uniformity
- Standard deviation repeatability
- Standard deviation reproducibility
- Air temperature
- Maximum stability
- Set-point deviation
- Indication error

## All-inclusive 15-point Temperature Mapping Kit

The OCEAMap 15-point Kit offers a complete solution with the following components:

- OCEAMap 3 application for Windows
- 15 Cobalt XS data loggers
  - One calibrated Pt100 sensor per data logger, each with its ISO/IEC 17025 certificate
  - LoRaWAN connectivity
  - Dickson LoRa Pro 4G/868 MHz Gateway (with 1NCE international SIM card)
- OCEAView Cloud access – dedicated 20 point user license or license extension (1 year)
- Carrying case for 15 data loggers

**OCEAMap kits can be customized according to your situation. If you currently have compatible data loggers or your own OCEAView account, please talk to us about setting up the kit that works for you.**

### Requirements

- PC with MS Windows 7 or higher
- MS Word and Excel installed on computer running OCEAMap
- Internet connectivity required if you use OCEAView Cloud; not necessary for OCEAView On-premises customers (requires OCEAView 1.16 or higher)

## CONTACT US TODAY

For any inquiries about our mapping services and kits, please contact us at +33 4 99 13 67 30 or contact@dicksondata.fr

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