



Measurement, monitoring and metrology



**Metrolog2 MAPPING**



**Metrolog2 CALIBRATION**

**METROLOGY SOFTWARE**

**TO PERFORM CALIBRATION AND MAPPING**

During all steps of the procedure and until certificate edition

[www.jri-corp.com](http://www.jri-corp.com)

# Software designed to internalise and simplify your metrology operations

Designed to meet the needs of our customers having the required means to realize metrology operations, the Metrolog Calibration and Mapping software are also use by the JRI metrologists in laboratory and on site.

 Metrology management of your measuring chains fleet and your thermo-controlled chambers

 Compliance judgment of your measuring chains and your chamber performances

 Complete process management until the edition of the customized report with one single software

 Ability to produce metrology service in case of Quality audits

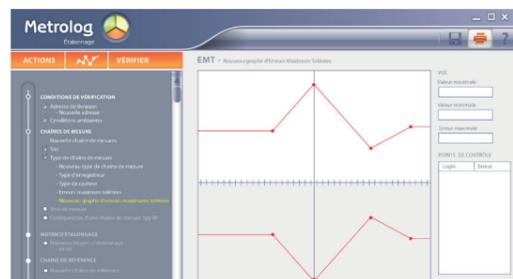
 Compliance upgrade with the current standards



## Metrolog 2 Calibration

Calibrate, check, gauge and adjust all type of measuring chains

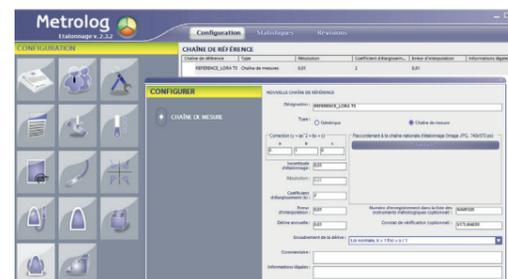
- Manage the measuring chains fleet with display of metrology operations history
- Automate calibration through automatic detection of stability steps
- Compliance with NFX 07-012 and NFX 07-011 standards related to the calibration certificates and checking reports
- Compliance with all type of reference chains
- Consideration of the MPE in your different measuring chains systems as well as correction and calibration uncertainties of the standard reference probe
- Use of several reference standards or calibration environments to perform a metrology operation



Maximum permissible errors (MPE) management



Measuring chains management



Reference standard configuration



User-friendly software with step by step procedure

## Customise your calibration kit or mapping kit

Choose the quantity of Nano SPY or LoRa SPY recorders you need and add the suitable Metrolog 2 software!

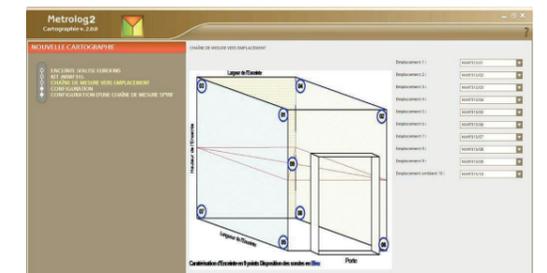


## Metrolog 2 Mapping



Map and check climatic chambers according to FDX 15-140 and CEI 60068 3-5/3-11 standards

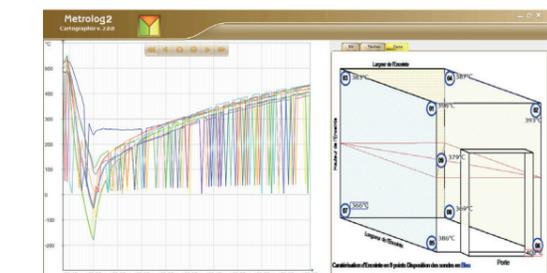
- Up to 6 temperature mappings simultaneously
- Data display during the mapping to check proceeding
- Change of the measuring interval during the mapping to be able to manage events as door openings, network failures ...
- Easy cabinet management by listing the completed certificates with their numbers and dates, the events (e.g. maintenance operations, etc..)
- Import data from other brand recorders in .csv format



Measuring chains positioning



Parameters configuration



Graph of the temperature data

# Our reference devices for calibration operations

The Nano SPY Reference and LoRa SPY Reference models are designed to perform calibration of the recorders of their respective ranges. They measure with high accuracy and record temperature.

 <p><b>Nano SPY Reference</b> Reference device to perform Nano SPY recorders calibration</p>	<p><b>Measurement range :</b> -196°C to +150°C <b>Accuracy :</b> <math>\pm 0.15^{\circ}\text{C}</math> from 0°C to +40 °C <math>\pm 0.2^{\circ}\text{C}</math> from -30°C to 0°C and from +40°C to +150°C <math>\pm 0.5^{\circ}\text{C}</math> out of these ranges <math>\pm 0.6^{\circ}\text{C}</math> at -196°C</p>
 <p><b>LoRa® SPY Reference</b> Reference device to perform LoRa® SPY recorders calibration</p>	<p><b>Measurement range :</b> -196°C to +150°C <b>Accuracy :</b> <math>\pm 0.12^{\circ}\text{C}</math> from 0 to +50°C <math>\pm 0.20^{\circ}\text{C}</math> from -30°C to 0°C and from +50°C to +150°C <math>\pm 0.50^{\circ}\text{C}</math> out of these ranges</p>

## Our training sessions



The JRI Academy performs training sessions for all levels : monitoring systems, metrology and skills transfer.

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