Monitoring Solution of Environmental Parameters

Centralized Supervision | Real-time Alerts | Cloud & Server Modes
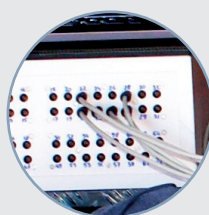
Jri MySirius
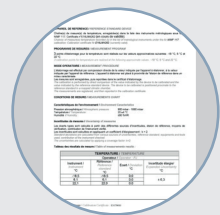

Calibration Module

Calibration and adjustment operations automation
Metrology data synchonisation

Calibrate, check and adjust your measurement chains

Optimize your calibration process

Manage efficiently the metrology follow-up of your fleet

An optional module that simplifies your calibration process and allows you to manage the metrology of your measurement equipments autonomously

The Calibration module of the JRI-MySirius solution allows to perform calibration of the Nano SPY, LoRa SPY, JRI Digital probes, Labguard 3D sensors and other brands.

Increase efficiency with features tailored to your needs

	Functions	Level 1	Level 2
	Calibration module available in Cloud solution		
4.0 VERSION	**Calibration in 2 points**	✓	✓
	Use of the JRI 's MPE	✓	✓
	Reports customization	✓	✓
	Calibration in x points with automatic search of the best stability	–	✓
	Use of customized MPE's	–	✓
	Access to the audit trail (with Advanced subscription)	✓	✓
	Calibration of all Nano SPY & LoRa SPY recorders (except JRI digital probes and the Nano SPY TH High accuracy sensor)	✓	✓
	Use of Nano SPY and LoRa SPY Reference as standard devices	✓	✓
	Conformity validation	✓	✓
4.1 VERSION	**Management of the calibration bench for JRI Digital probes**	✓	✓
	Calibration of new digital JRI probes (Digital Sensor X^2)	✓	✓
	Compatibility with previous probes generation (Digital Sensor Evolution)	✓	✓
	Calibration of other brands devices	–	✓
4.2 VERSION	*Calibration module available in Cloud and Server solutions*		
	Compatibility with Labguard 3D Ethernet devices	✓	✓
	Drift analysis between 2 calibrations	–	✓
4.3 VERSION	**Test Uncertainty Ratio (TUR), standard average measurements, electronic signature in metrology reports generated**	✓	✓
	Role to finalise a metrological operation	✓	✓
4.X VERSION AVAILABILITY IN 2024	**Management of calibration baths**	–	✓
	Nano SPY TH High accuracy calibration	✓	✓

Optimize the intervention time with the calibration bench

Manage the bench to **realize simultaneously the calibration of several new generation JRI digital probes (Digital sensor X^2).**

- **Compatible with Digital Sensor Evolution probes**
- **Communication with a Nano SPY Link to send data in real time in the Calibration module of JRI-MySirius**
- **Up to 20 probes per bench**
- **Possible to manage several calibration benchs at the same time**

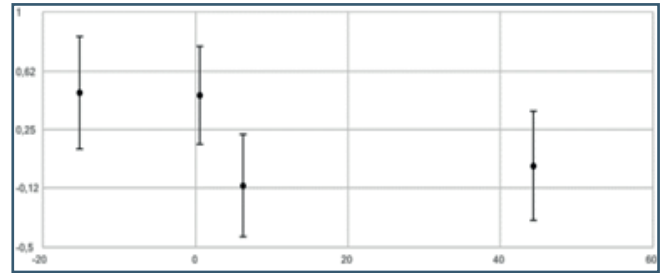# Calibration with modeling to reduce measurement errors

The modeling can be sent in the measurement chain in order to perform a more precise adjustment

Realize **calibrations in 3 or 4 points, and more**.
Make automatically **errors correction with modeling** (automatic calculations with variances and covariances information).

Improve the accuracy of your sensors!
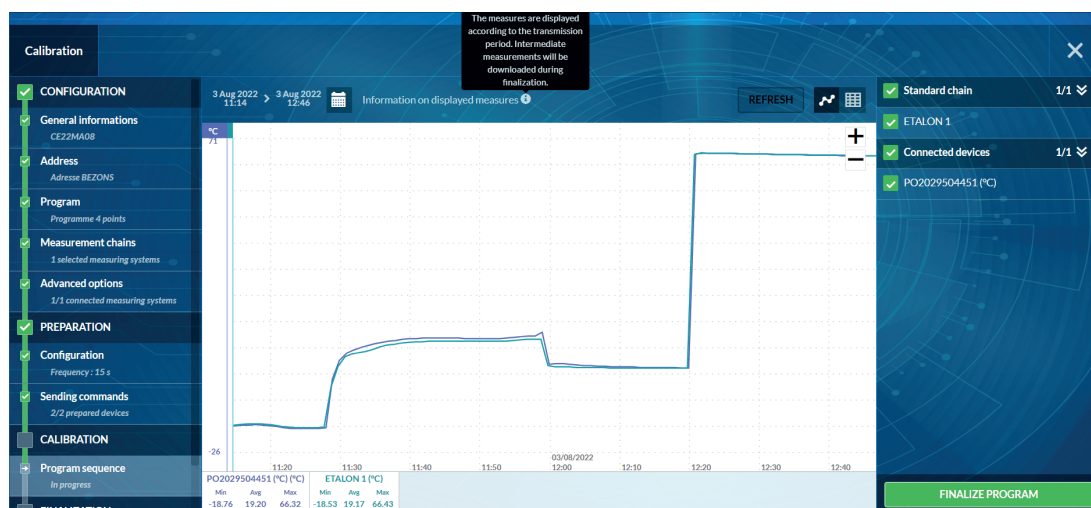

The metrology on the Digital Sensor X² probes

New generation of digital probes developed by JRI, the Digital Sensor X² probes have exclusive properties allowing to reduce to a minimum measurement error and uncertainty after a calibration with modeling.

Declare your equipments and set your programms

Add your calibration environments : standards, ovens, baths, climatic rooms… then create programms based on **calibration points corresponding to usual conditions** of your measurement chains.

Let the calibration process guide you

Follow the step-by-step instructions to perform your calibrations. You can realize **many operations simultanously, calibrate and adjust your sensors in several points**.

Manage metrology of your fleet measuring devices

Customize your metrology reports (header, footer, calibration options, measuring methodes…).
Generate and store your reports in the **dedicated documentary area**. Consultation and archiving periods depend of your JRI-MySirius subscription.
Follow the **history of metrology operations** realized on Nano SPY and LoRa SPY devices.

You can list the serial numbers of the devices in case of probe rotations.

Calibration results and threshold corrections are automatically taken into account in the JRI-MySirius software.

Automatic update of your equipment life cycle sheets.

Set metrology alerts for the required equipments!
The concerned users will be automatically notified when a metrology intervention is to be carried out on one of your devices.

The Calibration module is compatible with all JRI-MySirius service levels.