Installation & commissioning

Our field technicians perform all over Europe : on-site qualification of radio communication, installation of probes according to good pratices, system parameter settings, preventive and corrective maintenance, on-site metrology, trainings adapted to every user level profile and systems qualification (IQ/OQ).

Metrology Services

JRI has been developing and manufacturing digital sensors of high metrological quality to meet the requirements for monitoring thermo-sensitive products. These digital probes have an internal memory to store their adjustment coefficients and some metrological data.
With these interchangeable measurement chains, they can achieve the calibration of your SPY RF® solution in a ISO 17025 accredited laboratory without interruption of monitoring and by a simple probe exchange. This solution is time saving and ensures the accuracy of all calibration operations.

JRI has long-standing expertise in the field of quality control of measurement and has a COFRAC (ISO 17025 french equivalence) accredited laboratory providing :

• temperature calibration certificates in a range from -80°Cto +140°C and at -196°C in our laboratory and from -90°C to +140°C on site
(accreditation N°2.1943- available on www.cofrac.fr)
• temperature mapping and qualification of thermostatic chambers according to standards EN 60068, FDV 08601 and NF X 15140, and of baths on the temperature range from -80°C to +140°C
(accreditation N°1.2471- available on www.cofrac.fr)

Technical Service & Support

Routine maintenance of Sirius systems is essential in order to guarantee optimal performance (and a longer lifetime). That is why JRI offers preventive and curative actions :

• Remote assistance for immediate intervention
• Replacement of failed hardware by standard exchange (under conditions)
• Additional training
• On-site intervention within 48 working hours (after identification by our experts)
• Standard exchange of digital probes with calibration certificate or checking report (ISO 17 025 accredited or traceable to ISO 17 025)

The quality of our products is recognized worldwide through distributors' network.
To contact our local dealer, please send us an email at **info@jri.fr**.

More information ?

Play Sirius video on www.jri-maxant.com

Measurement, monitoring and metrology

Sirius solution,
to make your quality assurance program simple.

www.jri-maxant.com

Are thermo-sensitive products stored and transported at the required temperature ?
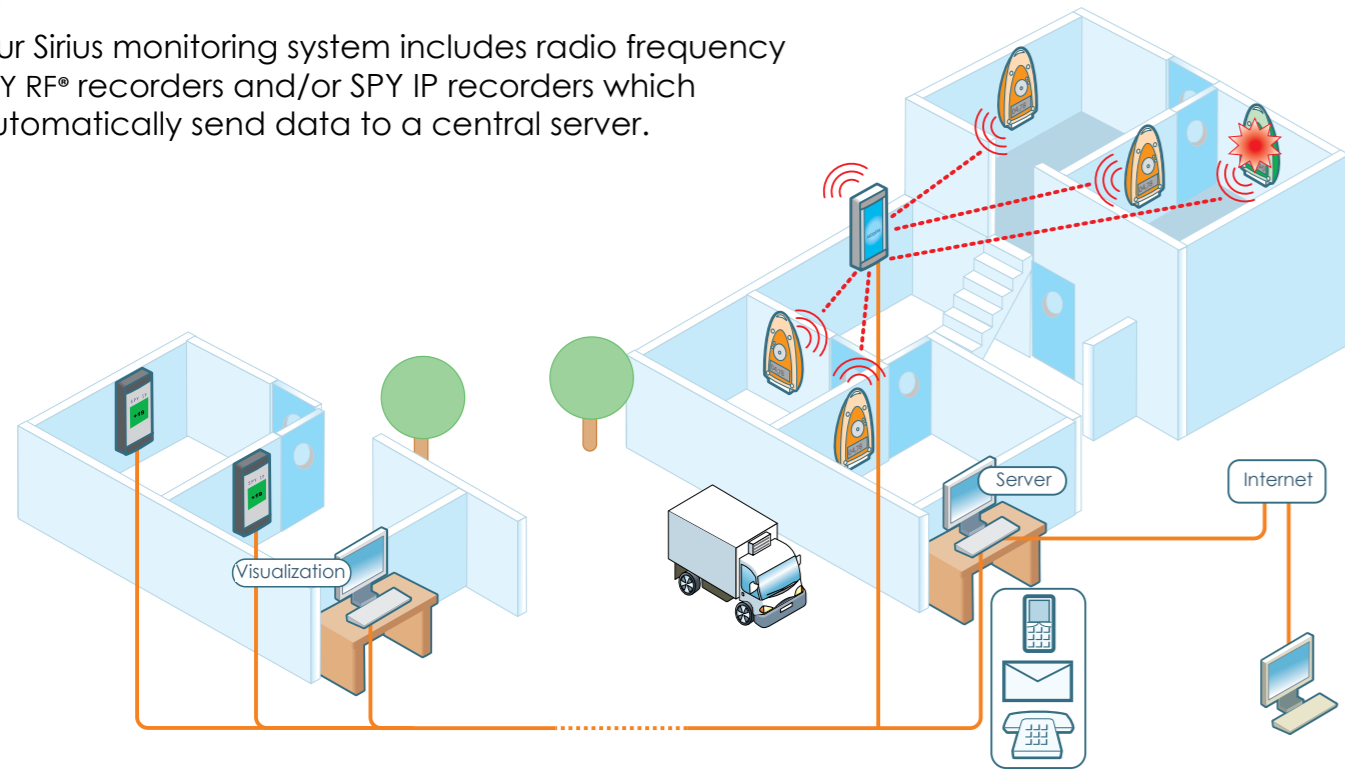
Are incubations performed in appropriate conditions ?

Quality Assurance procedures, requirements from ISO 17025 and ISO 15189 norms, Good Laboratory Practices and local regulations recommend the use of tools to guarantee the reliablility of your temperature controlled chambers (refrigerators, freezers, incubators...)

JRI, expert for over 170 years in measuring systems, offers independent and automated monitoring solutions that meet your quality requirements.

Running of Sirius solution

Our Sirius monitoring system includes radio frequency SPY RF® recorders and/or SPY IP recorders which automatically send data to a central server.

Server
Internet
Visualization

Legend

SPY RF	Mini SPY RF Green	Phone alert	Visual and audible alert
SPY RF ModeM Ethernet	SPY RF AlarM	e-mail alert	Radio communication (200-300m)
SPY IP		Text message alert	Ethernet network

SPY RF®

Advantages of SPY RF® recorders

• Measurement and record of physical parameters (temperature, hygrometry, pressure, CO_2...) via 1 or 2 channels per recorder
• Direct reading on the display
• Data transfer via radio frequency
• Real-time alarm management
• Remote visualization of data
• Fast installation and commissionning
• ISO 17025 calibration of your probes

SPY IP

Advantages of SPY IP recorders

• Measurement and record of physical parameters (temperature, hygrometry, pressure, CO_2...) via 4 channels per recorder
• Real-time measurement display and alarm management
• Measurement display and alarm management on touch sensitive and multicolor screen
• Data transfer through the Ethernet network
• Recommended for the monitoring of critical chambers, remote chambers or with a discontinuous operating mode

+19.8	+19.9	+29.9		+20.0	+19.8
Normal status	Inhibed alarm	Alarm	Technical alarm	Pre-alarm	No power supply

Monitoring software adapted to laboratory applications

Sirius Storage - Multi-user

Monitoring software dedicated to multi-site installations. SIRIUS Storage enables to visualize SPY RF® and SPY IP recorders located on the installation map and to manage alarms. Compliant with the FDA (CFR 21 Part 11), Sirius Storage enables to manage metrological operations.

Metrolog Calibration

This software will help you to perform metrology operations yourself : Calibrations, checking reports and adjustments of the entire SPY RF® fleet.

A range of recorders to meet all your needs

Temperature recorder for refrigerators/ freezers

Temperature and CO_2 recorder for ovens/ incubators

Temperature recorder for cold chambers

Temperature and differential pressure recorder for clean rooms

Temperature and humidity recorder for climatic chambers

Ultra low temperature recorder for cryogenic tanks / -80°C freezers

Ambient temperature recorder for shipment boxes