



Measurement, monitoring and metrology



WIRELESS SENSORS TO SIMPLIFY YOUR HACCP CONTROL OPERATIONS

www.jri-corp.com

Next generation of connected sensors

Our new generation of connected temperature sensors ensures food monitoring with reliability and measurement accuracy. Compliant with the EN 12 830 standard, it allows you to meet your control obligations related to HACCP procedures without manual intervention.



Measuring of various parameters
Temperature, Humidity, Parcel opening, etc...

Real-time Alarms
The sensors have **operating and warning light indicators**. Alerts are sent by **SMS text message, e-mail and voice message** according to your alerts planning.

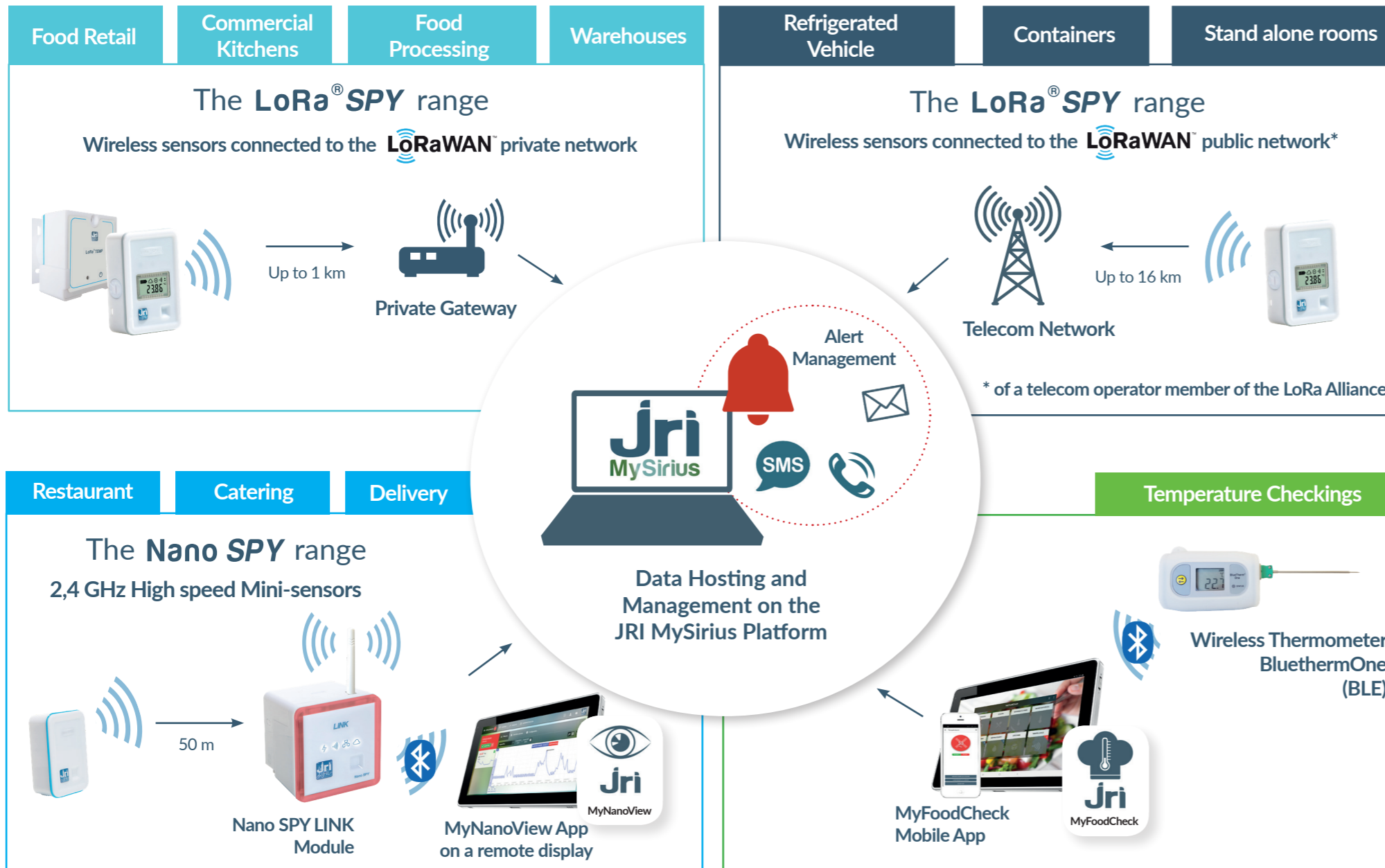


Easy installation and use
Being miniaturized, the sensors can be placed the closest possible to your sensitive products or fixed in a fridge with a strong integrated magnet.

10 000 data points recording
The sensors are equipped with an internal memory able to record up to 10 000 data points.

Simplified Metrology
Calibration of the temperature sensor can be realized through replacement by a new calibrated one.

They are automatically detected on the JRI MySirius platform. Colour rings make it easy to determine the configuration of each sensor.



Automated monitoring of fixed and mobile units with performance and adaptability



- Refrigerators, Freezers
- Cold Chambers
- Storage Warehouses
- Cold and Hot kitchen units
- Linear and mobile display cabinets
- Rolls
- Refrigerated vehicles
- Food pallets
- HVAC

- Automation
- Real-time alerts
- Centralized Supervision
- Regulation Compliance
- ROI




The Nano SPY range

High Speed Mini sensors

- Temperature monitoring from -40°C to +85°C, and humidity monitoring from 0 to 100%RH
- Easy installation in the unit or in a transport box thanks to their small size
- Visual alerts via the warning light indicator of the Nano SPY LINK, in case of alarm
- Suitable for monitoring locations where :
 - many sensors are on a short distance of each other
 - the sensors are not accessible and a remote display is possible
- Bluetooth Communication between the Nano SPY LINK and a tablet equipped with the MyNanoView App


Dimensions : 63x42x25mm

	Nano SPY T1 Mini temperature sensor can be placed directly inside the refrigerator or the freezer (IP 68)
	Nano SPY T2 Mini temperature sensor with external flat cable to be placed in the chamber through the door seal
	Nano SPY TH Mini temperature & humidity (ambient) sensor, particularly adapted for HVAC applications





Nano SPY LINK

Is connected to the network and sends the data recorded by the Nano SPY sensors to the JRI MySirius platform



Display of data and units in alarm on the MyNanoView app via a Bluetooth communication between the Nano SPY LINK (BLE option) and a tablet





Nano SPY ALARM

Allows to alert locally in case of alarm and allows to double the radio range between the Nano SPY sensors and the Nano SPY LINK.

Bluetherm One

The Bluetooth™ Wireless Thermometer Automation of core temperature control

- Food temperature control
- Interchangeable Type K thermocouple probes :
 - penetration probe
 - hypodermic probe
 - surface probe
- Measurement range : -199.9°C to +1 372°C
Accuracy : ±0.4°C ± 1% of the measurement depending on the probe type
- Bluetooth Communication with a tablet on which the MyFoodCheck App has been installed
- Protection case in option



Dimensions : 66x109x34 mm



The LoRa® SPY range

Wireless long range sensors connected to the LoRaWAN™ network

- Data transmission via the LoRaWAN™ network :
 - via the network of a telecom operator member of LoRa Alliance™
 - via the network of a private gateway
- Suitable for monitoring locations with :
 - few sensors
 - storage areas spread on a wide territory
 - a need of real-time* transportation
- Very low power consumption (battery life up to 4 years)
- Direct reading on the LCD display
- Radio range up to 16 km in open field



LoRa means «Long Range». It is a technology that allows the Internet of things to transmit small-sized data measurements on a long distance, using a low power consumption.





Dimensions : 87x64x25mm

EN 12 830 Compliant Sensors

	LoRa® SPY T1 Temperature and parcel opening sensor Suitable for transportation/logistics and storage areas monitoring
	LoRa® SPY T2 Temperature sensor with external flat cable to be placed through the door seal Designed for refrigerators and freezers
	LoRa® SPY T0 Temperature sensor without display Designed for cold chain monitoring during transport
	LoRa® SPY Digital Sensor with external digital temperature and humidity probe Designed to simplify calibration operations by replacing the probe with a new calibrated one




Other sensors


	LoRa® SPY U Universal analog input sensor Recording of data coming from analog probes for monitoring : <ul style="list-style-type: none"> • high temperature • temperature by penetration • door openings • energy consumptions
	LoRa® SPY TH Temperature and humidity sensor Suitable for HVAC applications and warehousing



EN 13 485 Compliant Indicator

	LoRa® TEMP Temperature indicator connected to LoRaWAN™ Suitable in Food retail and Restaurant for monitoring units that do not require a continuous recording of measurements
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Gateway

	Micro Gateway LoRa™ It allows to set up a private LoRa network for transferring to the JRI MySirius platform the data recorded by the LoRa® SPY sensors.
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*subject to coverage by the operator network.

A modular and customizable overview



Measurements are automatically uploaded on the secure JRI Cloud and data are managed via the userfriendly JRIMySirius web application.

A wide range of alarm options and management
Multi-cascades, snooze, temporary inhibition...

Customized interface

- Different indicators and favorites
- Optional modules adapted to different user's needs: maintenance, metrology, plan, geolocation...

Data Integration in a third-party system via web API (Application Programming Interface)

Delay updates give you more time to prepare partial qualifications and training of your team.

Customized user profile management

- Unlimited users number
- Different rights to assign per profile: Administrator, Site manager, Supervisor, User, Metrologist...

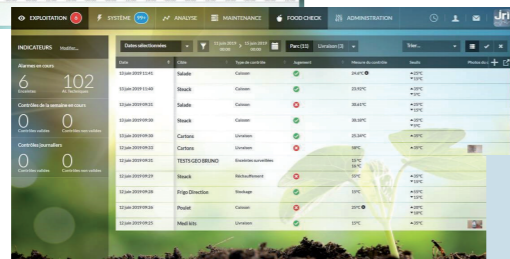
HACCP Compliance

- The FoodCheck module allows you to monitor and archive temperature checkings made via the MyFoodCheck mobile app.

Simplified configuration of the sensors



Access to data 24/7
Visualize your data from any PC, tablet, smartphone and share it with your colleagues from anywhere.



The mobile app dedicated to HACCP procedures

MyFoodCheck simplifies the temperature checking operations performed by the wireless Bluetooth thermometer BlueTherm One and synchronizes them on the JRIMySirius platform

Management and management of temperature control operations of foodstuffs

- At delivery acceptance
- During food preparation, hot/cold hold cooling/reheating
- During storage



Control operations archiving

Tracking of corrective actions and conforming

Data Integration in the JRI MySirius platform

Our services

Three types of subscription are offered to manage the JRI MySirius solution

Subscriptions

	INITIAL	SERENITY	ADVANCED	
SERVICES	Data reading (maximum) measurements, graphs, history	The last 2 months	The last 18 months	The last 5 years
	Data archives Data reading period included	The last 12 months	The last 3 years	The last 10 years
	Technical support Online help, tutorial	✓	✓	✓
FEATURES	Number of user accounts	2	Unlimited	Unlimited with customizable profiles
	21 CFR Part 11 Compliance			✓
	Audit trail		Alarm audit trail	Full audit trail
	Update delay			✓
OPTIONAL MODULES	Connectivity module (Web API)	✓	✓	✓
	MyFoodCheck	✓	✓	✓

We guide the JRI MySirius solution with a wide range of services realized by our distribution network : installation, commissioning, qualification, training, metrology services and maintenance operations.

Metrology

The exclusive attributes of our digital temperature probes and Nano SPY mini sensors allow you to perform their calibration by simple exchange with a new calibrated probe, without interrupting the monitoring of your equipment.



SIMPLICITY
Remove the old and replace by the new one



COMPLIANCE
Respect the obligation of calibration

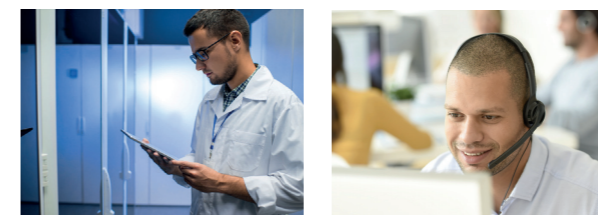


TIME SAVING
No interruption in the monitoring



We perform temperature and humidity mapping of thermo-controlled equipments or warehouses to ensure their performance and compliance to store your goods.

Maintenance



Our maintenance contracts provide the necessary interventions to maintain your installation in operational conditions and are carried out by our team of experienced distributors :

- Technical hotline access,
- Extension of guarantee on hardware and software,
- Remote maintenance of your application,
- On-site maintenance and support

Trainings

As a certified training organization, the JRI Academy offers training for all levels in monitoring, metrology and tailor-made.





Play the JRI MySirius solution video !



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Our partnerships



Association Française du Froid