



Healthcare



**CONNECTED SENSORS
& MONITORING SYSTEM
MEETING YOUR QUALITY NEEDS**

Measurement, monitoring and metrology

Next generation of connected sensors

Our next generation of connected sensors monitor sensitive products during storage and transportation and ensures the reliable and precise monitoring required by standards and regulations: ISO 17 025, GMP, GLP...



Measuring of various parameters

Temperature, Humidity, Pressure, Gaz, Door opening, etc...



Metrology

We perform metrology services in our ISO 17025 accredited laboratory. The sensors can be delivered with calibration certificates.



10 000 data points recording

The sensors are equipped with a internal memory ables to record up to 10 000 data points.



Real-time Alarms

The sensors are equipped with operating and warning light indicators. Alerts are sent by SMS text message, e-mail and voice message according to your planning alerts



Easy installation and use

Miniaturized, sensors can be placed the closest possible to your sensitive products. They are automatically detected on the JRI MySirius platform. Colour rings make it easy to determine the configuration of each sensor.

Hardware

Nano SPY



Real wireless

The Nano SPY sensors measure and record temperature and humidity in storage areas and during transportation. Data measurements are sent by a 2,4 GHz radio communication to the LINK transmission modules, installed nearby.

- Easy installation in the unit or in a transport box thanks to their small size (63x42x25mm)
- Visual alerts via the warning light indicator of the LINK, in case of alarm
- Suitable for monitoring locations with many sensors on a short distance from the LINK
- No loss of measurements data in case of power failure due to the internal memory

LoRa® SPY



Long-range communication
LoRaWAN

The LoRa® SPY sensors measure, record and transmit their data measurements via the LoRa Alliance™ operator network LoRaWAN™ or a private LoRa™ gateway).

- Monitoring of temperature, humidity, gaz, pressure, countable events, ...
- Very low power consumption (battery life up to 4 years)
- Suitable for monitoring locations with :
 - few sensors
 - storage areas spread on a wide territory
 - a need of real-time transportation
- Direct reading on the LCD display



LoRa means «Long Range». It's a technology which allows to Internet of things to transmit small-sized data measurement on a long distance, using a low power consumption.

The JRI MySirius solution offers different communication networks to answer to your needs and obligations

Various physical parameters to monitor, many fixed units in the same location, many units in various locations, ...



A modular and customizable overview



Measurements are automatically upload on the secure Cloud JRI 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 differents users' s needs: maintenance, metrology, plan, geolocation...

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

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

Compliances

- FDA 21 CFR Part 11 (ADVANCED subscription only)
- GAMP5

Subscriptions

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

	INITIAL	SERENITY	ADVANCED	
SERVICES	Data reading (maximum) measurements, graphs, history, activity report	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			✓

Models

Nano SPY



Nano SPY T1
-40°C to +85°C
Temperature sensor
for freezer, refrigerator
Ambient



Nano SPY T2
-50°C to +105°C
Temperature sensor
with external probe
for freezer or incubator



Nano SPY T3
0°C to +260°C
-200°C to 0°C
Extreme temperature
sensor with external
probe



Nano SPY TH
-30°C to +70°C
0 - 100% RH
Temperature &
Humidity sensor
Ambient



LINK
Transmission
module

ALARM
Alarm & Relay
module

LoRa® SPY



LoRa® SPY T0
-40°C to +85°C
Temperature sensor
Ambient



LoRa® SPY T1
-30°C to +70°C
Temperature and door
openings sensor
Ambient



LoRa® SPY T2
-50°C to +105°C
Temperature sensor with
external probe for freezer
refrigerator and incubator



Gateway
Transmission of data
to the JRI MySirius cloud



LoRa® SPY Digital
-40°C to +80°C
-30°C to +70°C / 0 - 100% RH
-200°C to 0°C
Temperature and humidity
with external JRI digital probes



LoRa® SPY TH1
-30°C to +70°C
0 - 100% RH
Temperature and
humidity sensor
Ambient



LoRa® SPY T3
-200°C to 0°C
Extreme low
temperature sensor
with external probe

Flash the code
and watch
the JRI MySirius video



www.jri-mysirius.com | info@group-mms.com



2 rue de la Voivre
25 490 Fesches-le-Châtel - France
Ph.: +33(0)3 81 30 68 04
www.jri-maxant.com
info@group-mms.com



Our partnerships

