



Universal analog input recorder with a long-range LoRaWAN™ connectivity



Non contractual photo



Presentation

The LoRa® SPY U recorder is designed to measure and record data coming from the following types of analog sensors: PT100, current (4-20 mA / 0-20mA), voltage (0-1V), counting or dry contact.

Data are sent to the JRI MySirius secure Cloud for optimal exploitation or directly to your servers (using webAPI or LoRa SPY U control protocol). It connects to the LoRaWAN™ network of telecom operators members of the LoRa Alliance™ or to a local network.

In case of thresholds excursions, real-time alerts are sent by SMS text message, mail or voice message.

Technical features

Communication frequency	868MHz	915MHz	
Interface	Status LED lights, On / Off sensitive button, LCD display		
Memory	10 000 data points		
Radio range	Up to 16 km in open field		
Operating conditions	0°C to +50°C		
Measuring interval	Adjustable from 1 mn to 5mn		
Transmission & recording interval (internal memory)	Adjustable from 1 mn to 24 hrs		
Response time σ_{90}	Depending on sensor		
Protection	IP34		
Case	Polycarbonate – Food contact		
Dimensions and weight	87 x 64 x 25 mm / ~ 100 g		
Power supply	Replaceable lithium 3,6v battery		
Battery Lifetime	2 to 4 years depending on use		
Fixation	Fixing eyelets and integrated magnets		
Delivred with	Blue identification ring User manual on www.jri-corp.com		
Compliance	CE, ROHS, FCC, EN 300 220		
Part Nr	Without battery	11810 EX	12277 EX
	With battery	11809 EX	



Connector for analog sensor



Fixing eyelets and integrated magnets

Replaceable battery



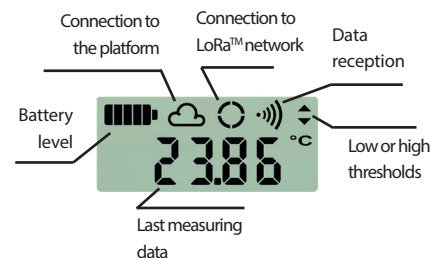
Protection case

Benefits

- **Easy-to-use**
The recorder is ready-to-use and has status and alarm lights.



- **Excellent measurement accuracy**
Reliability of a professional measuring instrument
- **Robust**
- **Simplified and optimized data exploitation on the JRI MySirius application**



Type of input	PT100	Current/ Voltage	Counting	Dry Contact
Measurement range	-200°C to +300°C	0 to 20 mA or 4-20mA or 0-1V	0 to 65535	Dry contact or 0-3,3V max
Resolution	0,01°C	0,001 mA	1	-
Accuracy	Without Probe	Case		
	±0,2°C from -20°C to +50°C ±0,3°C from -80°C to -20°C and from +50°C to +140°C ± 0,5°C outside	± 0,01 mA	± 1	-

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