



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 years	
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

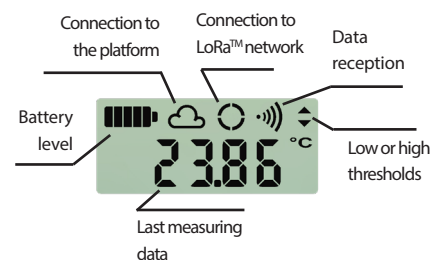

Protection case

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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