



LoRa® SPY U



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



Non contractual photo

Part nr. 11810



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 / 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

Interface	Status LED lights, On / Off sensitive button, LCD display
Memory	10 000 data points
Communication frequency	868MHz
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	Battery, Blue identification ring User manual on www.jri-corp.com
Compliance	CE, ROHS, FCC, EN 300 220



Connector for analog sensor



Fixing eyelets and integrated magnets



Replaceable battery

Protection case

Benefits

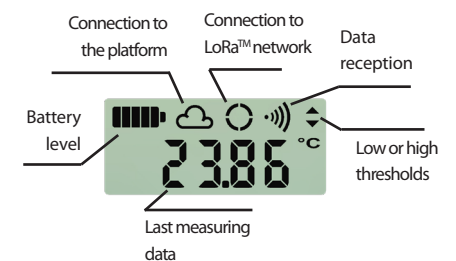
- **Easy-to-use**
The recorder is ready-to-use and has status and alarm lights.



- **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	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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