



Temperature recorder
with a long-range LoRaWAN™ connectivity



Non contractual photo



Presentation

The LoRa® SPY T0 recorder measures and records temperature.

Data are sent to the JRI secure Cloud by the LoRaWAN™ network of the telecom operators members of the LoRa Alliance™, or by a local network. In case of thresholds excursion, real-time alerts are sent.

Robust and waterproof, it is adapted to the cold chain monitoring during transportation.

Technical features

Communication frequency	868 MHz	915 MHz
Interface	Status LED lights, On/Off touch sensitive button	
Measurement range	-35°C to +85°C	
Accuracy	±0.5°C from -20°C to +30°C and ±0.8°C out of this range	
Memory	10 000 data points	
Radio range	Up to 16 km open field range	
Sensor	Internal Class A PT 100	
Resolution	0.01	
Measuring interval	Adjustable from 1 mn to 5 mn	
Transmission & recording interval (internal memory)	Adjustable from 1 mn to 24 hrs	
Response time σ_{90}	~15 mn	
Operating conditions	-35°C to +85°C	
Protection	IP68	
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	
Supplied with	Battery, user manual on www.jri-corp.com	
Compliance	CE, ROHS, FCC, EN 300-320, NF EN 12830	
Standard calibration points	-18°C / +5°C / +25°C	

Benefits

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



- **Excellent measurement accuracy**
- **Several modes of data exploitation**

Fixing eyelets



Replaceable battery

PART NRS

11801 EU : LoRa® SPY T0 868 MHz (with battery)
11801 EX : LoRa® SPY T0 868 MHz (without battery)
12266 EX : LoRa® SPY T0 915 MHz (without battery)