



# LoRa® SPY T0



Universal analog input 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	868MHz	915MHz
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 $\sigma_{90}$	~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 to 4 years depending on use	
Fixation	Fixing eyelets	
Supplied with	Battery, user manual on <a href="http://www.jri-corp.com">www.jri-corp.com</a>	
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 : LoRa® SPY T0  
 11801 EU : LoRa® SPY T0 868MHz (with battery)  
 11801 EX : LoRa® SPY T0 868MHz (with battery)  
 12266 EX : LoRa® SPY T0 915 MHz (without battery)

17 3476 EN 01 05