



LoRa® SPY T3



Extreme low temperature recorder
with a long-range LoRaWAN™ connectivity



Non contractual photo



Presentation

The LoRa® SPY T3 measures and records temperature thanks to an external probe. Data are sent to the JRI secure Cloud by LoRaWAN™ network of the telecom operators members of the LoRa Alliance™, or by a local network. In case of threshold excursions, real-time alerts are sent.

Designed to monitor low temperature, the LoRa® SPY T2 can be placed on the outside thanks to its magnet allowing to visualize data measurement.

Technical features

Communication frequency	868MHz	915MHz
Interface	Status LED lights, On/Off touch sensitive button, LCD display	
Measurement range	-200°C to 0°C	
Accuracy	±0.2°C from -20°C to 0°C ±0.5°C out of this range	
Memory	10 000 data points	
Radio range	Up to 16 km open field range	
Sensor	External Class A PT 100 - Ø2,9mm Téflon® cable	
Operating conditions	-30°C to +70°C	
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}	~2 mn	
Protection	IP65	
Case	Polycarbonate – Food contact	
Dimensions and weight	87 x 64 x 25 mm / ~ 100 g	
Cable length	50 cm and 6m	
Power supply	Replaceable Lithium 3,6v battery	
Battery lifetime	2 years	
Fixation	Fixing eyelets and integrated magnets	
Supplied with	Battery, red identification ring User manual on www.jri-corp.com	
Compliance	CE, ROHS, FCC, EN 300-320, NF EN 12830	
Standard calibration points	-80C / -10°C	

Benefits

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



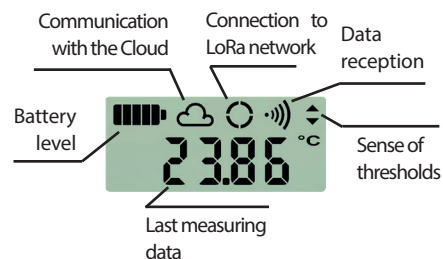
- **Excellent measurement accuracy**
- **Several modes of data exploitation**



External temperature probe

Fixing eyelets and integrated magnets

Replaceable battery



Communication with the Cloud

Connection to LoRa network

Data reception

Battery level

Sense of thresholds

Last measuring data

PART NRS

11808 EU : LoRa® SPY T3 50cm 868 MHz
11806 2E : LoRa® SPY T3 6m 868 MHz
Delivered without battery
11808 EX : LoRa® SPY T3 50cm 868 MHz
11806 2X : LoRa® SPY T3 6m 868 MHz
12275 EX : LoRa® SPY T3 50cm 915 MHz
12273 EX : LoRa® SPY T3 6m 915 MHz