

LoRa® SPY T2



Temperature recorder with a long-range LoRaWAN™ connectivity



Presentation

The LoRa® SPYT2 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 thermo-controlled chambers, the LoRa® SPY T2 can be fixed outside thanks to its magnet allowing to visualize data measurement.

Technical features

	Standard version	Incubator version
Interface	Status LED lights, On/Off touch sensitive button, LCD display	
Measurement range	-50°C to +105°C	
Accuracy	$\pm 0.3^{\circ}$ C from -20°C to +30°C $\pm 0.5^{\circ}$ C out of this range	±0.2°C from +30°C to +50°C
Memory	10 000 data points	
Communication frequency	868 MHz	
Radio range	Up to 16 km open field range	
Sensor	External Class A PT 100 - Ø5x20mm	
Resolution	0.01	
Measuring interval	Adjustable from 1 mn to 12 hrs	
Transmission & recording interval (internal memory)	Adjustable from 1 mn to 24 hrs	
Response time σ_{90}	~2 mn	
Operating conditions	-30°C to +70°C	
Protection	IP67	
Case	Polycarbonate – Food contact	
Dimensions and weight	87 x 64 x 25 mm/~ 100 g	
Cable length	30 cm and 3 m	
Power supply	Replaceable Lithium 3,6v battery	
Battery lifetime	2 to 4 years depending on use	
Fixation	Fixing eyelets and integrated magnets	
Supplied with	Blue and green identification rings Battery, user manual on	Yellow identification ring www.jri-maxant.com
Compliance	CE, ROHS, FCC, ETSI 300-328, NF EN 12830	
Standard calibration points	-18°C/+5°C/+25°C	+36C/+38°C/+50°C

JRI, Société par actions simplifiée au capital de 4 000 000 €

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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 and integrated magnets

Replaceable battery



38.26°

Freezer Standard version

Incubator version

PART NRS 11804 : LoRa® SPYT2 30cm 11804_! : LoRa® SPYT2 30cm for Incubator 11805 : LoRa® SPYT2 3m 11805_! : LoRa® SPYT2 3m for Incubator 11955 : LoRa® SPYT2 3m SMART

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