



LoRa® SPY T2



Temperature recorder with a long-range LoRaWAN™ connectivity



Non contractual photo



Presentation

The LoRa® SPY T2 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

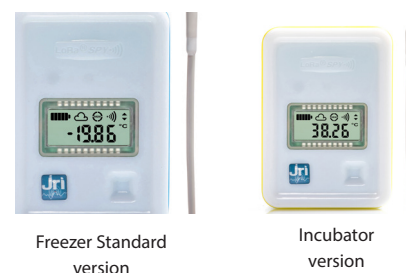
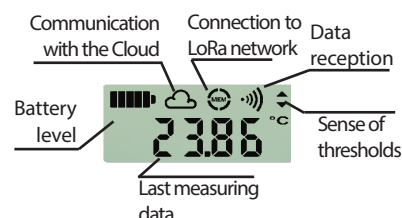
	Standard version	Incubator version
Interface	Status LED lights, On/Off touch sensitive button, LCD display	
Measurement range	-50°C to +105°C	+30°C to +50°C
Accuracy	±0.3°C from -20°C to +30°C ±0.5°C out of this range	±0.2°C
Memory	10 000 data points	
Communication frequency	868 MHz / 915 MHz	
Radio range	Up to 16 km open field range	
Sensor	External Class A PT 100 - Ø5x20mm	
Resolution	0.01	
Measuring interval	Adjustable from 1 min to 24h (local network model) Adjustable from 15 min to 24h (operator network model)	
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	IP65	
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 years	
Fixation	Fixing eyelets and integrated magnets	
Supplied with	Blue and green identification rings	Yellow identification ring
Compliance	CE, ROHS, FCC, EN 300-320, NF EN 12830	
Standard calibration points	-18°C / +5°C / +25°C	+36°C / +38°C / +50°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



Freezer Standard version

Incubator version

FT 11804 EN B

Part Numbers	868 MHz		915 MHz	
	With battery	Without battery	With battery	Without battery
STANDARD VERSION				
LoRa SPY T2 30cm	11804E	11804X	12269E	12269X
LoRa SPY T2 3m	11805E	11805X	12271E	12271X
INCUBATOR VERSION				
LoRa SPY T2 30cm	11804IE	11804IX		
LoRa SPY T2 3m	11805IE	11805IX		