



Temperature and door-opening recorder
with a long-range LoRaWAN™ connectivity



Presentation

The LoRa® SPY T1 recorder measures and records temperature and door openings.

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.

The LoRa® SPY T1 is particularly adapted to the supply chain applications, transport and warehouse storage areas.

Technical features

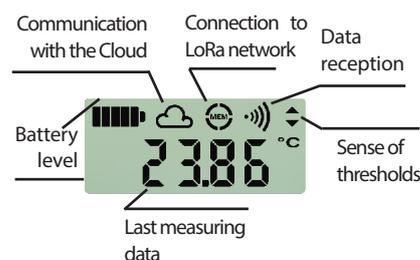
Communication frequency	868MHz	915MHz
Interface	Status LED lights, On/Off touch sensitive button, LCD display	
Measurement range	-30°C to +70°C	
Accuracy	±0.4°C from -20°C to +40°C and ±0.5°C out of this range	
Memory	10 000 data points	
Radio range	Up to 16 km open field range	
Sensors	Class A PT 100 and light detector	
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}	~15 mn	
Operating conditions	-30°C to +70°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 and integrated magnets	
Supplied with	Grey identification ring 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**



PART NRS

11802E: LoRa® SPY T1 868 MHz (with battery)
11802X : LoRa® SPY T1 868 MHz (without battery)
12267E : LoRa® SPY T1 915 MHz (with battery)
12267X : LoRa® SPY T1 915 MHz (without battery)