



LoRa® SPY TH1



Temperature and hygrometry recorder
with a long-range LoRaWAN™ connectivity



Non contractual photo



Presentation

The LoRa® SPY TH1 recorder measures, records temperature, and hygrometry. 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. Discreet, the LoRa® SPY TH1 is particularly adapted for HVAC applications.

Technical features

Communication frequency	868MHz	915MHz
Interface	Status LED lights, On/Off touch sensitive button, LCD display	
Measurement range	-30°C to +70°C and 0 - 100% RH*	
Accuracy	Temperature : ±0.4°C from -20°C to +40°C and ±0.5°C out of this range Hygrometry between +15°C and +25°C : ±3% RH from 20% to 80% ±5% RH out of this range	
Memory	10 000 data points	
Radio range	Up to 16 km open field range	
Sensor	Digital SENSIRION SHT25	
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}	~5 mn	
Operating conditions	-30°C to +70°C	
Protection	IP40	
Case	Polycarbonate – Food contact	
Dimensions and weight	87 x 64 x 25 mm / ~ 100 gr	
Power supply	Replaceable Lithium 3,6v battery	
Fixation	Fixing eyelets and integrated magnets	
Battery lifetime	2 years	
Supplied with	Battery, white identification ring User manual on www.jri-corp.com	
Compliance	CE, ROHS, FCC, EN 300-320	
Standard calibration points	+2°C / +25°C / +38°C and 20% / 50% / 80%	

Benefits

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

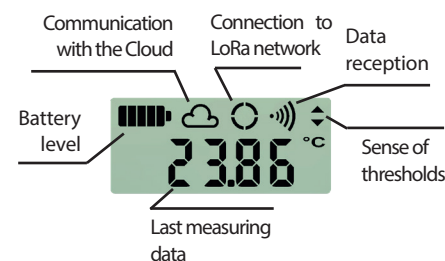


- **Excellent measurement accuracy**
- **Several modes of data exploitation**

Fixing eyelets and integrated magnets



Replaceable battery



PART NRS

11803 EU : LoRa® SPY TH1
11803 EX : LoRa® SPY TH1 868MHz (without battery)
12268 EX : LoRa® SPY TH1 915MHz (without battery)

*For humidity, continuous normal use between 20% and 80%RH. Use a maximal 60-hour period to guarantee accuracy out of this range.