



# 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	<b>Temperature</b> : ±0.4°C from +15°C to +25°C and ±0.5°C out of this range <b>Hygrometry between +15°C and +25°C</b> from 20% to 80% : ±4% RH and ±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 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 $\sigma_{90}$	~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 <a href="http://www.jri-corp.com">www.jri-corp.com</a>	
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

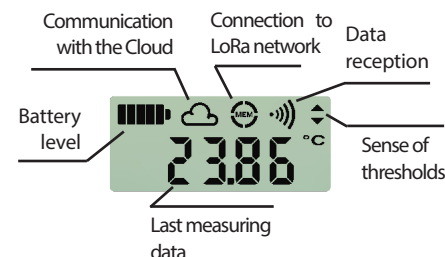


- **Excellent measurement accuracy**
- **Several modes of data exploitation**

Fixing eyelets and integrated magnets



Replaceable battery



**PART NRS**  
 11803E : LoRa® SPY TH1 868 MHz  
 11803X : LoRa® SPY TH1 868MHz (without battery)  
 12268E : LoRa® SPY TH1 915MHz  
 12268X : 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.