



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

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 : ±2% RH from 20% to 80% ±4% RH from 0% to 20% and from 80% to 100%
Memory	10 000 data points
Communication frequency	868MHz
Radio range	Up to 16 km open field range
Sensor	Digital SENSIRION SHT25
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}	~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 to 4 years depending on use
Supplied with	Battery, white identification ring User manual on www.jri-maxant.com
Compliance	CE, ROHS, FCC, ETSI 300-328
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