



# LoRa® SPY Digital



Digital temperature recorder  
with a long-range LoRaWAN™ connectivity  
Simplified metrology services



Non contractual picture



Part nr. 11809

## Presentation

The LoRa® SPY Digital sensor measures and records temperature with an external removable probe. Data are sent to the secure JRI secure Cloud by the LoRaWAN™ network of telecom operators members of LoRa Alliance™ or by a local network. In case of threshold excursions, real-time alerts are sent.

The LoRa® SPY Digital is designed to be used with JRI digital probes which have an internal memory to store their calibration adjustment coefficients and other metrological data. The calibration can be realized in laboratory by a simple exchange of the probe without monitoring interruption of your thermo-sensitive products.

## Technical features

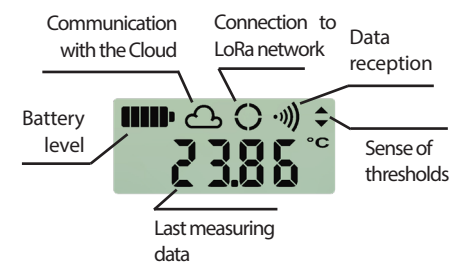
Interface	Status LED, sensitive button On/Off, LCD display
Measurement	Depending on JRI digital probes
Accuracy	Depending on JRI digital probes
Memory	10 000 data points
Communication frequency	868MHz
Radio range	Up to 16 km open field range
Type of digital sensor	Temperature sensor Temperature/Humidity sensor On or Off
Operating conditions	-30°C to +70°C
Resolution	0.01
Measuring interval	Adjustable from 1 mn to 5 mn
Transmission and recording interval (internal memory)	Adjustable from 1 mn to 24 h
Response time $\sigma_{90}$	< 5 mn (depending on used probe)
Protection	IP40
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 to 4 years depending on use
Fixing	Fixing eyelets and integrated magnets
Supplied with	Battery, Blue JRI identification ring User manual on <a href="http://www.jri-corp.com">www.jri-corp.com</a>
Compliance	CE, ROHS, FCC, EN 300 220, NF EN 12830 (when the 06556 probe is used in storage and transport applications)
Standard calibration points	Depending on JRI digital probe

## Benefits

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



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



JRI DIGITAL PROBES PART NRS	
12350	Digital temperature probe, 3m flat cable (incubator version available)
12348	Digital temperature probe, 40cm round cable
12349	Digital temperature probe, 70 cm flat cable (incubator version available)
12347	Digital temperature & humidity probe -30°C to +70°C and 0-100% RH
12204	Digital Low temperature probe 0°C to -200°C
12277EX	LoRa SPY Digital 915 SP

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