



# LoRa® SPY Reference



Standard measuring instrument  
for the LoRa® SPY range sensors



Non contractual photo



## Presentation

A reference device designed to perform calibrations of connected loggers in the LoRa® SPY range, the LoRa® SPY Reference recorder measures and records temperature with high precision. Its metrological specificities allow it to be perfectly adapted to the monitoring of equipment with very limited temperature ranges.

## Technical features

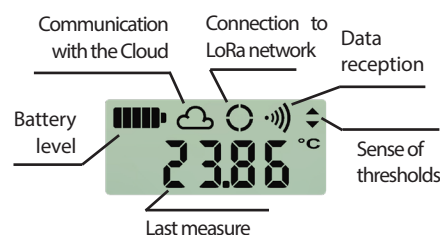
Communication frequency	868MHz	915MHz
Interface	Status LED lights, On/Off touch sensitive button, LCD display	
Measuring range	-196°C to +150°C	
Accuracy	±0,12°C from 0 to +50°C ±0,20°C from -30°C to 0°C and from +50°C to +150°C ±0,50°C out of this range	
Memory	10 000 data points	
Radio range	Up to 16 km in open field	
Sensor	External Class A PT 100 - stainless steel Ø2,9x25mm 3m cable length	
Operating conditions	-30°C to +70°C	
Resolution	0.01	
Measuring interval	Adjustable from 1 to 5 mn	
Transmission & recording interval (internal memory)	Adjustable from 1mn to 24 h	
Response time $\sigma_{90}$	~2 mn	
Protection	IP 65	
Case	Polycarbonate	
Dimensions and weight	87 x 64 x 25 mm / ~ 100 g (without probe)	
Power supply	Replaceable Lithium 3,6v battery	
Battery lifetime	2 years	
Fixation	Fixing eyelets and integrated magnets	
Supplied with	3 meters cryogenic probe, brown identification ring User manual on <a href="http://www.jri-corp.com">www.jri-corp.com</a>	
Compliance	CE, ROHS, FCC, EN 300 220	
Standard calibration points	0°C; 30°C; 60°C	

## Benefits

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



- **Excellent measurement accuracy**  
Reliability of a professional measuring instrument
- **Robust**



External temperature probe



Fixing eyelets and integrated magnets

Replaceable battery

### PARTS NRS

12408 EU : LoRa SPY Reference  
12408 EX : LoRa SPY Reference (without battery)  
12409 EX : LoRa SPY Reference 3m 915 (without battery)