

LoRa® SPY Digital



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



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

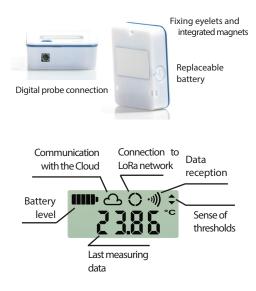
Com	munication frequency	868 MHz	915 MHz
Interface		Status LED, sensitive button On/Off, LCD display	
Measurement		Depending on JRI digital probes	
Accuracy			
Memory		10 000 data points	
Radio range		Up to16 km open field range	
Type of digital sensor		Temperature sensor Temperature/Humidity sensor	
Operating conditions		-30°C to +70°C	
Resolution		0.01	
Measuring interval		Adjustable from1 mn to 5 mn	
Transmission and recording interval (internal memory)		Adjustable from1 mn to 24 h	
Response time σ_{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 years	
Fixing		Fixing eyelets and integrated magnets	
Supplied with		Blue JRI identification ring User manual on www.jri-corp.com	
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 the JRI digital probe	
Part Nr	Without Battery	11809 EX	12276 EX
	With Battery	11809 EU	

Benefits

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



- Excellent measurement accuracy
- Several modes of data exploitation



RI DIGITAL PROBES PART NRS 2350 : Digital temperature probe, 3m flat cable incubator version available) 2348 : Digital temperature probe, 40cm round cable 2349 : Digital temperature probe, 70 cm flat cable incubator version available) 2347: Digital temperature & humidity probe -30°C o +70°C and 0-100% RH 2204 : Digital Low temperature probe 0°C to-200°C

www.jri-corp.com

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JRL SAS

Logistics Pole / 2 Rue de la Voivre / PA Technoland / BP 21 / 25490 FESCHES LE CHÂTEL / France SIRET 380 332 858 00030 - Ph.: +33 (0)3 81 30 68 04 / sales@group-mms.com

Head office: 16 Rue Louis Rameau / CS 90050 / 95872 BEZONS Cedex / France / APE 2651B / TVA FR 02 380 332 858