

Nano SPY T1



Mini Temperature Data logger to put inside your chamber



Non contractual photo

Presentation

The Nano SPYT1 sensor measures, records temperature and transmits its data to a nearby LINK module via 2.4 GHz radio frequency communication. The data are then automatically sent to the JRI secure Cloud for hosting, and will be managed on the JRI MySirius web application.

If thresholds are exceeded, alerts are transmitted in real time to react immediately.

Small and robust, it is designed to monitor temperature directly from inside the chambers. The calibration can be realized by simple exchange.

Technical features

Measurement range Accuracy Accuracy ±0.4°C from -20°C to +40°C and ±0.5°C out of this range Communication frequency 2,4 GHz (802.15.4) Memory 10 000 data points Sensor Internal PT100 Operating conditions -40°C to +85°C Resolution 0.01 Measuring and transmission period Internal memory recording period Adjustable from 1 mn to 24 hrs Response time σ ₉₀ Protection Protection Protection Prower supply Lithium 3,6v battery - Replacement Battery life 2 to 4 years depending on use Dimensions and weight Fixation Fixation Fixing eyelets and integrated magnets	Interface	Status LED lights and On/Off touch sensitive button
Communication frequency2,4 GHz (802.15.4)Memory10 000 data pointsSensorInternal PT100Operating conditions-40°C to +85°CResolution0.01Measuring and transmission period1 mnInternal memory recording periodAdjustable from 1 mn to 24 hrsResponse time σ90~ 10 mnProtectionIP68CasePolycarbonate – Food contactPower supplyLithium 3,6v battery - ReplacementBattery life2 to 4 years depending on useDimensions and weight63 x 42 x 25 mm / ~ 60 g	Measurement range	-40°C to +85°C
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Resolution Measuring and transmission period Internal memory recording period Response time σ_{90} Protection Protection Power supply Battery life Dimensions and weight O.01 1 mn Adjustable from 1 mn to 24 hrs ~ 10 mn IP68 Polycarbonate – Food contact Lithium 3,6v battery - Replacement 2 to 4 years depending on use	Sensor	Internal PT100
Measuring and transmission period1 mnInternal memory recording periodAdjustable from 1 mn to 24 hrsResponse time σ ₉₀ ~ 10 mnProtectionIP68CasePolycarbonate – Food contactPower supplyLithium 3,6v battery - ReplacementBattery life2 to 4 years depending on useDimensions and weight63 x 42 x 25 mm / ~ 60 g	Operating conditions	-40°C to +85°C
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$\begin{array}{cccc} & & & & & & & \\ & & & & & & \\ & & & & $	Measuring and transmission period	1 mn
Protection IP68 Case Polycarbonate – Food contact Power supply Lithium 3,6v battery - Replacement Battery life 2 to 4 years depending on use Dimensions and weight 63 x 42 x 25 mm / ~ 60 g	Internal memory recording period	Adjustable from 1 mn to 24 hrs
Case Polycarbonate – Food contact Power supply Lithium 3,6v battery - Replacement Battery life 2 to 4 years depending on use Dimensions and weight 63 x 42 x 25 mm / ~ 60 g	Response time $\sigma_{_{90}}$	~ 10 mn
Power supply Lithium 3,6v battery - Replacement Battery life 2 to 4 years depending on use Dimensions and weight 63 x 42 x 25 mm /~ 60 g	Protection	IP68
Battery life 2 to 4 years depending on use Dimensions and weight 63 x 42 x 25 mm/~ 60 g	Case	Polycarbonate – Food contact
Dimensions and weight 63 x 42 x 25 mm/~ 60 g	Power supply	Lithium 3,6v battery - Replacement
	Battery life	2 to 4 years depending on use
Fixation Fixing evelets and integrated magnets	Dimensions and weight	63 x 42 x 25 mm/~ 60 g
	Fixation	Fixing eyelets and integrated magnets
Supplied with 3 identification rings pack: blue, green and grey User manual can be download on www.jri-corp.com	Supplied with	
Compliance CE, ROHS, FCC, ETS 300-328, EN 12830	Compliance	CE, ROHS, FCC, ETS 300-328, EN 12830
Standard calibration points -18°C/+6°C/+22°C	Standard calibration points	-18°C/+6°C/+22°C
Part nr 11567 EU (with battery) - 11567 EX (without battery)	Part nr	11567 EU (with battery) - 11567 EX (without battery)

Benefits

Easy-to-use The sensor is ready to use and has operating and alarm



 Excellent measurement accuracy



Fixing eyelets



Replaceable battery



Refrigerator version



Ambient version

JRI, SAS

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