



LoRa® SPY T3



Extreme low temperature recorder
with a long-range LoRaWAN™ connectivity



Presentation

The LoRa® SPY T3 measures and records temperature thanks to an external probe. Data are sent to the JRI secure Cloud by LoRaWAN™ network of the telecom operators members of the LoRa Alliance™, or by a local network. In case of threshold excursions, real-time alerts are sent.

Designed to monitor low temperature, the LoRa® SPY T3 can be placed on the outside thanks to its magnet allowing to visualize data measurement.

Technical features

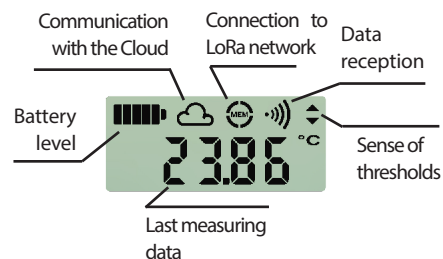
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|---|--|--------|
| Communication frequency | 868MHz | 915MHz |
| Interface | Status LED lights, On/Off touch sensitive button, LCD display | |
| Measurement range | -200°C to 0°C | |
| Accuracy | ±0.2°C from -20°C to 0°C ±0.5°C out of this range | |
| Memory | 10 000 data points | |
| Radio range | Up to 16 km open field range | |
| Sensor | External Class A PT 100 - Ø2,9mm Téflon® cable | |
| Operating conditions | -30°C to +70°C | |
| Resolution | 0.01 | |
| Measuring interval | Adjustable from 1 min to 24h (local network model) Adjustable from 15 min to 24h (operator network model) | |
| Transmission & recording interval (internal memory) | Adjustable from 1 mn to 24 hrs | |
| Response time σ_{90} | ~2 mn | |
| Protection | IP65 | |
| Case | Polycarbonate – Food contact | |
| Dimensions and weight | 87 x 64 x 25 mm / ~ 100 g | |
| Cable length | 50 cm and 6m | |
| Power supply | Replaceable Lithium 3,6v battery | |
| Battery lifetime | 2 years | |
| Fixation | Fixing eyelets and integrated magnets | |
| Supplied with | Battery, red identification ring User manual on www.jri-corp.com | |
| Compliance | CE, ROHS, FCC, EN 300-320 | |
| Standard calibration points | -80C / -10°C | |

Benefits

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



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



PART NRS
 11808E: LoRa® SPY T3 50cm - 868 MHz
 11806E: LoRa® SPY T3 6m - 868 MHz
 11808X: LoRa® SPY T3 50cm - 868 MHz (without battery)
 11806X: LoRa® SPY T3 6m - 868 MHz (without battery)
 12275E: LoRa® SPY T3 50cm - 915 MHz
 12275X: LoRa® SPY T3 50cm - 915 MHz (without battery)
 12273E: LoRa® SPY T3 6m - 915 MHz
 12273X: LoRa® SPY T3 6m - 915 MHz (without battery)