



Industrial Precision TH Transmitter

For laboratory cabinets



Non contractual picture

Part nr. 12366

Presentation

The Industrial Precision TH Transmitter for cabinet is especially suitable for high temperatures and demanding industrial environments : Production environments, high temperatures, industrial production, drying processes, climatic chamber.

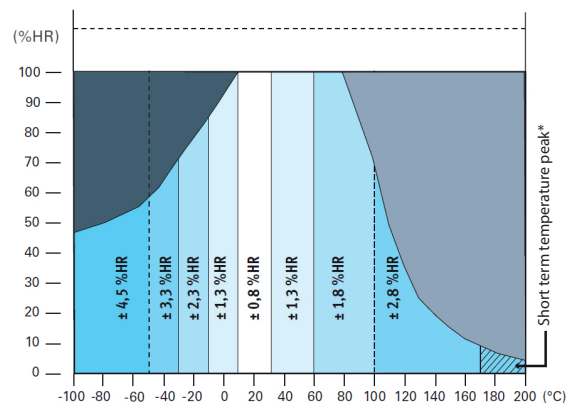
It is compatible with the LoRa® SPY U. A Nano SPY U can also be connected directly to the transmitter's analogue output or via a universal cable using an IP67 Binder connector.

Technical features

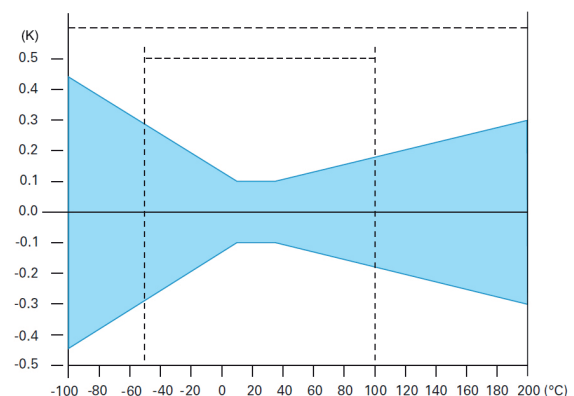
Measurement range	-100 to +200°C 0 - 100% RH
Stability on a long term basis	<1% RH/year
Operating conditions	-100 to +200°C
Temperature sensor	Class A PT100
Filter	Filter carrier, brass nickel plated
Power supply	3.3 V ±0.1V
Output	2x 0 -1VCC
Cable length	2m
Connector protection index	IP65
Weight	230g (sensor only)
Dimensions	Ø15x100 mm
Delivered with	User manual

* The sensors accept temperature peak of 3x5 minutes at 200°C, without damage. No influence of time span between the temperature peaks. Longer peaks may effect the drift up to 3%RH on 25 hours.

Humidity accuracy



Temperature accuracy

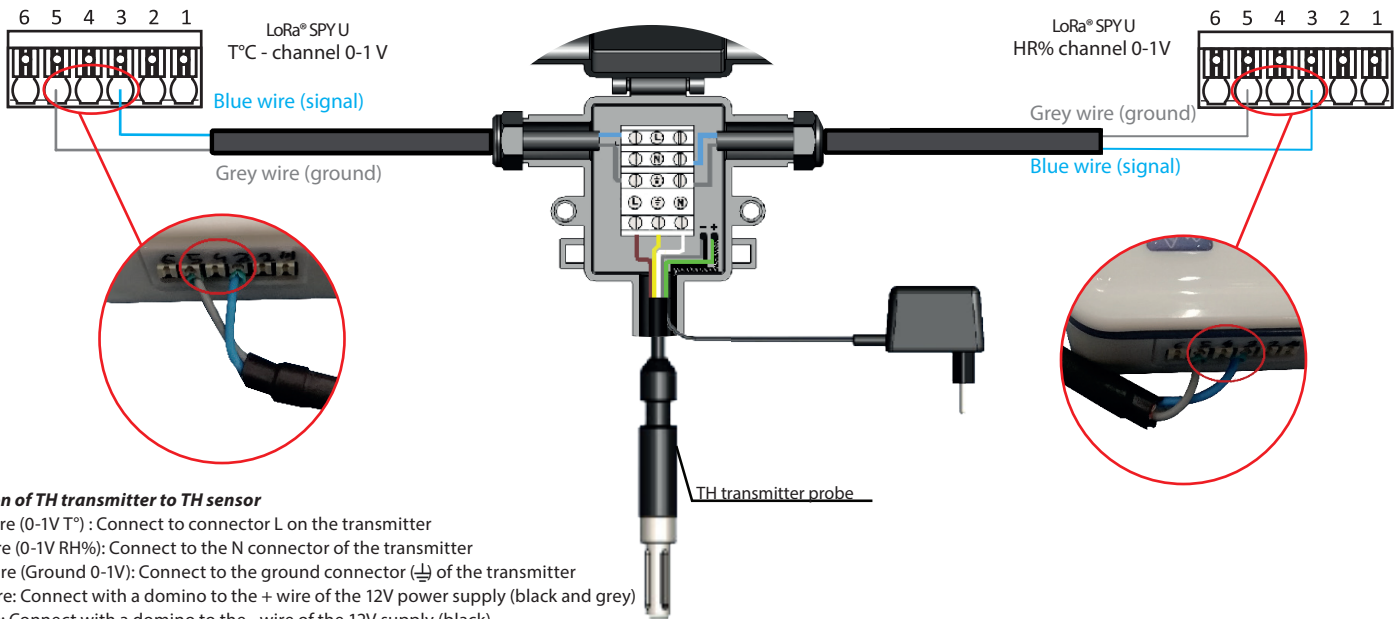


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Connection

Case 1: Connection diagram with a LoRa® SPY U T°C channel

- Blue wire: Connect one extremity to the connector 3 of a LoRa® SPY U. The other extremity should be connected to the L connector of the industrial TH transmitter
 - Grey wire: Connect one extremity to the connector 5 of a LoRa® SPY U. Connect the other extremity to the ground connector (\perp) of the industrial TH transmitter
- ### HR% channel
- Blue wire: Connect one extremity on the connector 3 of a LoRa® SPY U. The other extremity should be connected to the N connector of the industrial TH transmitter
 - Grey wire: Connect one extremity to the connector 5 of a LoRa® SPY U. Connect the other extremity to the ground connector (\perp) of the industrial TH transmitter



Case 2: Connection diagram with a Nano SPY U

JRI recommends the use of a IP67 Binder connector (ref 12617) and a universal cable to connect the Nano SPY U to the industrial TH transmitter.

- ### T°C channel
- Blue wire of the 1st Nano SPY: Connect to the terminal block 2 of the IP67 connector.
 - Brown wire of the 1st Nano SPY: Connect to terminal 4 of the IP67 connector.
 - Universal cable blue wire: Connect one side to the connector L of the industrial TH transmitter. And the other extremity on the terminal block 2 of the IP67 connector.
 - Universal cable grey wire: Connect one side to the ground connector (\perp) of the industrial TH transmitter. Connect the other extremity to terminal 4 of the IP67 connector.
- ### HR% channel
- Blue wire of the 2nd Nano SPY: Connect to the terminal block 2 of the IP67 connector.
 - Brown wire of the 2nd Nano SPY: Connect to terminal 4 of the IP67 connector.
 - Universal cable blue wire: Connect one side to the N connector of the industrial TH transmitter. And the other extremity on the terminal block 2 of the IP67 connector.
 - Universal cable grey wire: Connect one side to the ground connector (\perp) of the industrial TH transmitter. Connect the other extremity to terminal 4 of the IP67 connector.

