PT100 Thin Probe

Non-contractual photo

Probe designed to measure temperature

in incubator inserts with lids (IVF)
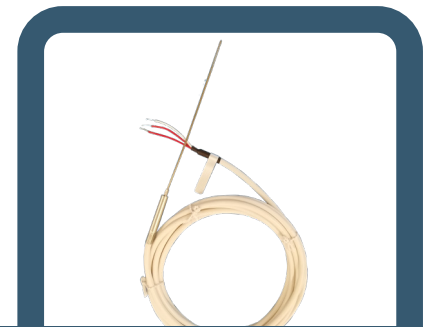
Réf. 13357

Introduction

The PT100 Fine probe measures the temperature in incubator inserts with lids (IVF) up to 600°C. It is particularly suited to the needs of industrial and pharmaceutical applications.

Easy to use, the probe connects directly to the Nano SPY U recorder (provide the connection pack ref. 12617) or to the LoRa SPY U. It does not require the use of a converter or any external power supply.

Compatible with version 4.0 of the Nano SPY U.

Technical features

Measurement range	From -50°C to +600°C of the sensitive element
Sensor class	A - CEI 60751
Sensor dimensions	Ø1.5x120mm
Cable type and dimensions	3-wire pvc/pvc cable - 3m
Cable operating temperature	From -50°C to +600°C

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Connection

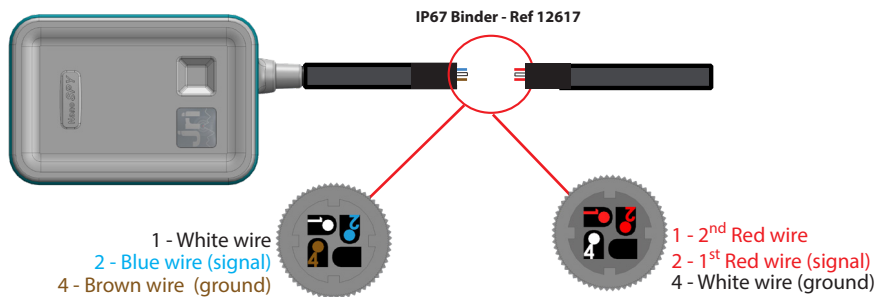### Case 1: Connection diagram with a LoRa® SPY U
- White wire of the PT100 IVF sensor: Connect the extremity to connector 5 of the LoRa® SPY U.
- 1st Red wire of the PT100 IVF probe: Connect the extremity to the connector 3 of the LoRa® SPY U.
- 2nd Red wire of the PT100 IVF probe: Connect the extremity to the connector 2 of the LoRa® SPY U.
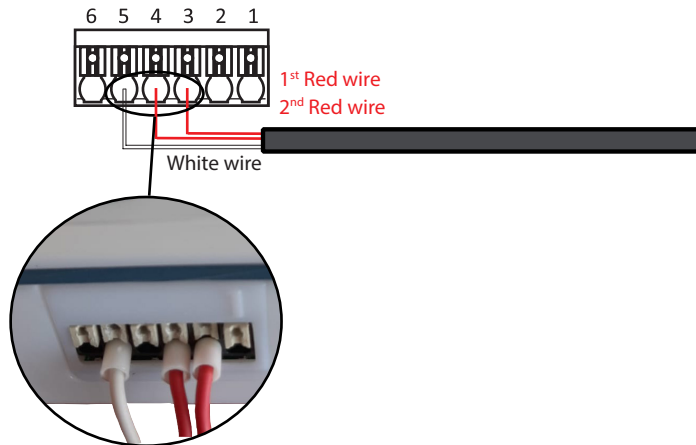
Case 2: Connection diagram with a Nano SPY U
JRI recommends the use of an IP67 Binder connector (ref 12617) and a universal cable to connect the Nano SPY U to the PT100 Fine probe for Covered Incubators (IVF).
- White wire of the Nano SPY U: Connect to terminal 1 of the IP67 connector.
- Blue wire of the Nano SPY U: Connect to terminal 2 of the IP67 connector.
- Brown wire of the Nano SPY U: Connect to terminal 4 of the IP67 connector.
- White wire of the probe: Connect the extremity to terminal 4 of the IP67 connector.
- 1st Red wire of the probe: Connect the extremity to terminal 1 of the IP67 connector.
- 2nd Red Probe Lead: Connect the extremity to terminal block 2 of the IP67 connector.

IP67 Binder - Ref 12617

1 - White wire
2 - Blue wire (signal)
4 - Brown wire (ground)

1 - 2nd Red wire
2 - 1st Red wire (signal)
4 - White wire (ground)

Technical drawing

Pvc/Pvc cable

Ø 6 mm

Ø 1,5 mm

Sensitive element
Non-deformable
30 mm

Deformable

3 m

50 mm

120 mm

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