

Beyond
the measure

Green Digital Sensor Reference T° (-90° to +200°C)

FT 13947_3 A

Used as a reference standard for calibration operations of JRI recorders and probes, as well as devices from other brands. Its extended measurement range down to -90 °C and its metrological performance allow the monitoring of equipment with very tight tolerances.

Its fast response time enables compliance with FD X15-140 requirements for performing mapping



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Presentation

The Green Digital Sensor Reference temperature probe is a digital sensor with internal memory containing calibration coefficients. Calibration of this probe can be performed either by a simple probe exchange or using the JRI MySirius Calibration module, minimizing the use of your reference standard. Its metrological performance is optimized through error modeling using a second-degree (X^2) function provided in the JRI calibration certificate.

This digital probe is intended for use preferably with Nova D devices and calibration benches, with Nova D devices to be positioned outside the monitored unit.

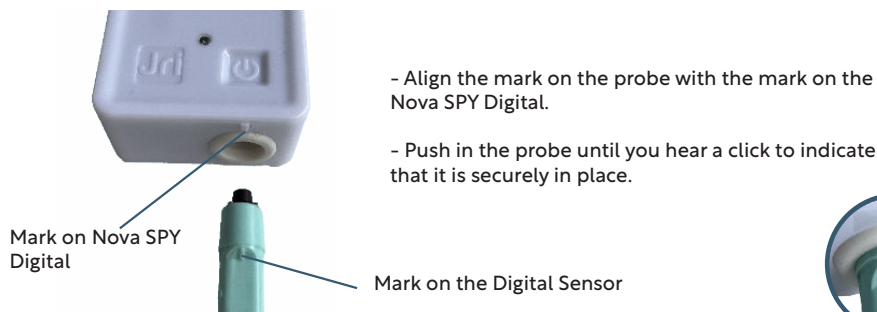
Technical specifications

GREEN DIGITAL SENSOR REFERENCE (-90° +200°C)	
Sensor type	PT100
Sensing element size	Ø3×31mm
Sensor protection	IP 68
Plug-in connector	débrochable - IP 40
Cable type	Câble PFA - Ø3mm - 3m
Measurement range	from -90° to +200°C
Measurement accuracy	± 0.15°C from -40°C to +80 °C Possibility to have specifications on the rest of the range by COFRAC calibration with a minimum of 5 points with modeling
Resolution	±0,01°C
Response time σ_{63}	~30 sec
Compatibility	MySirius from version 5.0 onwards Nova D (Ref. 13756) and Nova RED (Ref. 14150) 3 m extension for Green Digital Sensor T°C with overmolded IP40 M/F connector (Ref. 13870) 12 m extension for Green Digital Sensor T°C with overmolded IP40 M/F connector (Ref. 13871) JRI 24- and 96-channel calibration bench (Ref. 14124 & 14031)

Benefits

- Impact resistance
- Compliant with FD X15-140 standard
For performing mapping with fast response time
- Overmolded polycarbonate connector
Ensures IP66 sealing with the Nova SPY D
- Easy interchangeability
- Optimization of calibration processes

Sensor connection diagram



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