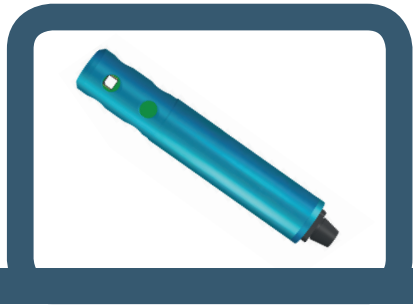
Temperature and humidity digital probe
Digital Sensor Evolution

A drift managed

for a better monitoring of your equipments

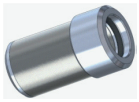


Non contractual picture

Presentation

The temperature and humidity Digital Sensor Evolution is a digital probe experiencing a very low drift and has an internal memory to store gauging parameters. It is interchangeable to perform easily metrology operations by simple exchange and without any monitoring interruption.
Data from a metrological transaction is automatically integrated in the JRI software.

The Digital Sensor Evolution (5th generation) is compatible with the LoRa® SPY Digital recorder and with the SPY range recorders whose firmware versions are following :
SPY RF N : ≥ than v1.63 - SPY IP : ≥ than v1.25 - SPY TOUCH N : ≥ than v2.9.5.



Stainless steel filter to be used in corrosive environments

Technical features

Measurement range	From -30 to +70°C ; 0 to100% RH non condensing
Accuracy	±0,3°C from -20°C to+50°C and ±0,5°C outside ±2%RH from 20% to 80% and ±4%RH outside
Resolution	0.01
Type of sensor	Digital - internal PTFE filter
Type of connector	Detachable (direct or with extension lead)
Protection of connector	IP 40
Points for a standard calibration certificate	+2°C, +22°C, +38°C 20%, 50%, 80% HR
Points of gauging	-30°C, +20°C, +50°C 30%, 60% HR
Part nrs	12347 for LoRa SPY Digital 12347 T for SPY IP and SPY TOUCH (include 15cm extension lead) Option : 11197 Stainless steel filter

MPE of humidity sensor depending on temperature (% RH)

TEMPERATURE

RELATIVE HUMIDITY (%RH)	15	20	23 ±1°C	30	35	40
0	±6	±5	±4	±5	±5	±6
10	±4	±4	±4	±5	±5	±5
20	±3	±3	±2	±4	±4	±4
30	±3	±3	±2	±4	±4	±4
40	±3	±2	±2	±3	±4	±4
50	±3	±2	±2	±3	±3	±4
60	±3	±2	±2	±3	±4	±4
70	±3	±3	±2	±4	±4	±4
80	±3	±3	±2	±4	±4	±4
90	±4	±4	±4	±5	±5	±5
100	±5	±5	±4	±5	±5	±6

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