



Temperature and humidity Digital probe Metal

A drift managed
for a better monitoring of your equipments



Non contractual picture

Presentation

The temperature and humidity digital probe has an internal memory to store gauging parameters. It is interchangeable to perform easily metrology operations. Data from metrology operations performed with Metrolog Calibration are automatically transferred in Sirius Storage and JRI MySirius. It is compatible with LoRa SPY Digital, SPY RF N, SPY TOUCH'N and SPY IP recorders.

Technical features

| | |
|---|--|
| Measurement range | From -30 to +70°C ; 0 to 100% 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 | 10948 for SPY RF N 11292 for SPY IP and SPY Touch N Digital Sensor Evolution version (blue model) 12347 for LoRa SPY Digital 12347 T for SPY IP and SPY TOUCH (include 15cm extension lead) Option : 11197 Stainless steel filter |



Stainless steel filter to be used in corrosive environments

MPE of humidity sensor depending on temperature (% RH)

| RELATIVE HUMIDITY (%RH) | TEMPERATURE | | | | | |
|-------------------------|-------------|-----|---------|-----|-----|-----|
| | 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 |