

HC2S3 PRECISE TEMPERATURE AND HUMIDITY PROBE



Precision meteorology probes for relative humidity and temperature – HC2S3

- * Meteorology**
- * Agriculture**
- * Forest**

Professional meteorology probes for reliable measurements under extremely rough conditions.

Convincing features

- * Maintenance-free humidity and temperature measurement**
- * Compact dimensions**
- * High long-term stability**
- * Short response time**
- * Linear voltage outputs for humidity and temperature**
- * Operating ranges**

Relative humidity : 0 ... 100% relative humidity

Temperature : -40 ... +100

Technical data of the HC2S3 probe and 888 Solar shield

Humidity/temperature probe	
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Protection	IP65
Humidity sensor	Hygromer IN-1
Temperature sensor	RTD Pt100 Class A
Relative humidity operating range	0 ...100% relative humidity
Temperature operating range	-40 ...+100
Output signals (linear)	
Humidity	0...1VDC= 0 ... 100% relative humidity
Temperature	0...1VDC= -40 ...+60
Output load	>10K
Calibration accuracy, humidity (at 23 °C)	±0.8% RH
Calibration accuracy, temperature (at 23 °C)	±0.1
Typical long-term stability	Typical 1% rh/year, 0.1 °C/year
Response time (without filter)	< 15s (% relative humidity), < 15s (°C)
Supply voltage (min./max)	5 ~ 24 VDC
Current consumption	< 2.0 mA @ 12VDC
Cable length	1M, 5M or other length upon request.
Dimensions	Diameter: 15 mm, Length: 183 mm

Solar Shield	Model 888
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Material	UV stabilized white thermoplastic plates
Principle	Natural ventilation
Power	No power required