



5031 SERIES

AIR TEMPERATURE AND RELATIVE HUMIDITY SENSORS

The Temperature and Relative Humidity probes **5031 Series** are ready for direct connection to the meteorological stations METEODATA-2000C & 3000C Series.

The following versions are available:



Temperature Sensor

Humidity Sensor



Model 41003 Multi-Plate Radiation Shield



Model 43502 Aspirated Radiation Shield

Model STA-5031: Air Temperature sensor mounted on a cylindrical Nylon body with connector. This sensor is normally installed inside a naturally ventilated radiation shield Model 41003 or alternatively inside a motor aspirated protector Model 43502.



Model STS-5031: Soil Temperature sensor, installed inside a short stainless steel cylindrical sheath mounted on a PVC body for thermal isolation. The cable output is waterproof.

Model STT-5031: Water Temperature sensor installed inside a short stainless steel cylindrical sheath, mounted on a PVC body. The probe and cable connection is submersible up to 20 meters water column.

Model SH-5031: Air Humidity sensor mounted on a Nylon body with connector. This sensor is normally installed inside a naturally ventilated radiation shield Model 41003 or alternatively inside a motor aspirated protector Model 43502.

SPECIFICATIONS:

	Temperature	Humidity
Sensor Type:	Resistor	Capacitive Polymer
Measuring range:	-30° to +70°C (other ranges available)	0-100% HR
Accuracy	± 0,1°C	± 3% (0-90% HR) ± 5% (90-98% HR)
Output signal	Resistive circuit	0-1V

Modelo STH-5031: Air Temperature and Relative Humidity combined sensor. Both sensors are mounted on a Nylon body with connector.

This combined sensor is normally installed inside a naturally ventilated radiation shield Model 41003 or alternatively inside a motor aspirated protector Model 43502, which has to be powered at 12-14 VDC (AC adaptor optional)