

**TECMES**

Inteligencia Ambiental

HUMYDITY AND AIR TEMPERATURE SENSOR TS251T**HUMIDITY AND AIR TEMPERATURE SENSOR TS251T**

Sensors

The combined humidity and temperature sensor Model TS251 T is designed for ambient measurement.

The humidity measurement is based on the dielectric variation of a high stability solid state capacitor, while that of temperature by a high accuracy platinum resistance resistance.

The sensor is protected by means of a filter, giving it high resistance to dust and contaminants and can be used for extended periods of time without recalibration.

The electronics integrated to the sensor, allows an amplified signal from 0 to 4 V suitable for recorders, weather stations, etc. A watertight cabinet houses the electronics, and is provided with an anchor suitable for attaching to a sunscreen and mounting arm.

SPECIFICATIONS***Humidity**

Range: 0 - 100% HR.

Sensor: Capacitiv, solid state

Accuracy: $\pm 3\%$ Fe

Analog Output: 500 to 4000 mV.

Temperature

Range: -40 to +60°C

(Other ranges upon request)

Accuracy: $\pm 0,2^\circ\text{C}$ (0 to +50°C)

$\pm 0,4^\circ\text{C}$ (-40 to +60°C)

High level analog output: 400 to 3600 mV

Power Supply: 9 to 16 Vcc (typical 12Vcc)

Dimensions: 230 x 110 x 40 mm (no sunscreen)

Connection Cable: Length 15 m.

ACCESSORIE**Sunscreen Model AS 250**

The TS250 included Multiplate Plate Radiation Shield, manufactured with UV stabilized white thermoplastic plates.

**Other specifications and ranges available upon request.*