



TECMES

Inteligencia Ambiental

HUMIDITY AND AIR TEMPERATURE SENSOR TS251T



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: +/-2% between 0 and 90%
+/-3% between 90 and 100%

Analog Output: 500 to 4000 mV.

Temperature

Range: -20 to +60°C or -30 to +60°C
(Other ranges upon request)

Accuracy: +/- 0,25°C
+/- 0,2 between -15 to +45 °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)

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.*