

TEMPERATURE AND HUMIDITY SENSOR MODEL TS 251/251 T



OUTSTANDING CHARACTERISTICS

- ✓ High output level
- ✓ Easy instalation
- ✓ Thin film capacitor probe

DESCRIPTION

This sensor is specially designed for meteorological use.

It can be provided in two configurations: humidity or humidity and temperature.

1-micron-thick dielectric polymer layer absorbs water molecules through a thin metal electrode and causes a capacitance change proportional to relative humidity.

This function is essentially linear and independent of temperature. A solid state electronic circuit located in the probe provides a 0.5 to 4 Vdc output over the range of 0 to 100% RH.

A suitable shield of cellulose paper prevents wind and dust effects, rain and radiation.

It can also be provided with a high accuracy and lineal termoresistor. (Model TS 251-T).



SPECIFICATIONS

MODEL TS 251 Humidity

Sensitive element: thin film capacitor
Range: 0 - 100% RH
Accuracy: Nom +/- 3%
Output: 0.5 to 4 Vdc
Power input: 9 - 16 Vdc
Enclosure: 108 x 108 x 75 mm (4.2 " x 4.2 " x 2.9 ")
Sensor protection: cellulose paper filter

MODEL TS251-T Humidity and Temperature

Humidity: same as TS 251
Temperature sensor:
Range: - 30 to 50° C
Accuracy: +/- 0.30° C
Output: 0.2 V to 3.6 V

ACCESORIES

- ✓ Solar radiation shield Model AS 250
- ✓ Mounting arm AS 260



Request for other specification

Made in Argentina

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