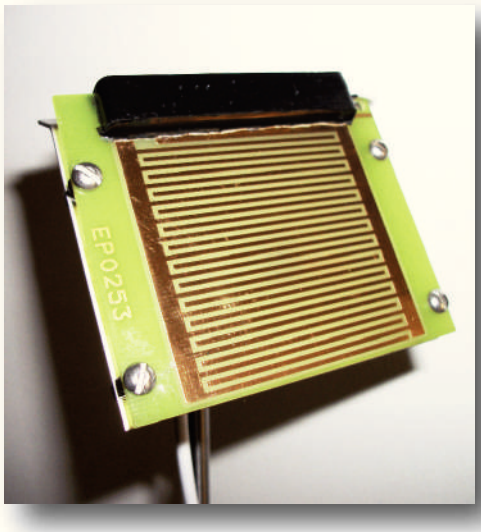
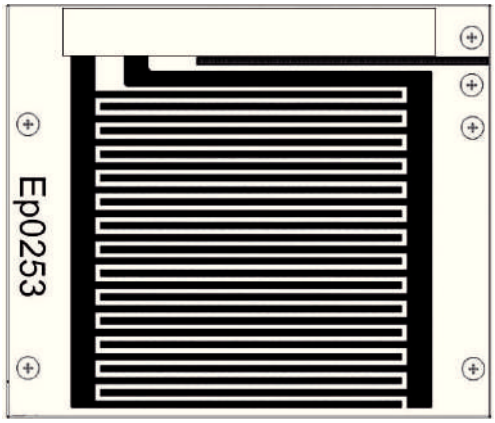
## LEAF WETNESS SENSOR TS 253

The TS253 Sensor is designed to simulate a sheet and measure the dry / wet condition.
To do this, it uses a printed circuit board on which there are 2 conductive lines with a certain proximity to each other which are covered in gold to prevent corrosion from exposure to the weather. These 2 conductive lines are insulated, in the presence of moisture on the surface there is an electrical conduction between them. This can be interpreted as a variable resistance depending on the degree of existing humidity:




***Dry sensor: R sensed = ∞***
***Wet sensor: R sensed = 0***

The maximum electrical output is achieved for a wet sensor, which is approximately 0.01 times the power supply connected to the sensor.




## SPECIFICATIONS

**Power Supply:** *0 to 16 Vcc 0 or 12 Vca (between 1 and 2 Khz)*
**Output:** *Dry < 20mV*
Wet *> 50mV*
**Sensed area:** *57 x 52 mm*
**Cable length:** *5 mts*
**Bracket:** Metal base with mounting rod

***Other specifications and ranges available upon request.***