



SPR500-01 Soil temperature sensor

APPLICATIONS

- Environmental monitoring
- Weather station
- Electric power
- Forestry
- Water conservancy
- Agriculture

CARACTERÍSTICAS CLAVE

- Stainless steel construction.
- Good corrosion resistance.
- Suitable for all kind of soil.
- High accuracy.
- Good linearity.
- Compatible with Smartyplanet.



The *SPR500-01* soil temperature sensor is the ideal solution to know the temperature of automatic weather stations in real time.

This sensor is suitable for all kind of soils.

It is built with stainless steel. It is resistant to corrosion.

Thanks to its compatibility with the **Smartyplanet web platform**, the recorded data can be analyzed instantly.



Temperature sensor

Range	-20 a +50°C, -50 a +100°C
Accuracy	±0,5 °C
Response time	<1s



Mechanical construction

Material	Stainless steel 304
Probe weight	145 g
Probe size	Diameter: 19mm, Height: 119 mm
Supply	5VDC, 12-24 VDC
Oupu	PT100, 4-20 mA, 0-5 V, RS485



Environmental protection

Operating temperatura	-50°C to +80°C
IP Rating	IP65



Plug and play Installation

The design of this Station allows his installation under the concept 'to plug and play'. He places of simple form on posts, walls or poles, and his entail with the web of visualization is immediate and automatic.



Without complicated infrastructures

With the different models of station it will be able to create networks of sensors adapted to the needs of his sector, without need of complicated infrastructures not costly.



Better relation Cost - benefit

The new concept of station of sensors allows to have the best technology to monitor and to control his resources to a cost very lower than other existing alternatives on the market.



Visualization in web page

The control of the sensors is realized by means of a web application personalized with multiple functionalities as alarms, historical, multiple users, etc.. Accessible from any device connected to Internet.



Sensors Networks

The number of Stations to linking to his network is unlimited, being able to incorporate different models and configurations to form extensive networks that connect the information of his resources to Internet, to give response to the Smart cities of the future



Multiple sensors

There are multiple the precision sensors that can join. The model of Station selects depending on the type and I number of sensors that he needs.