



SPR500-03 Soil EC sensor

APPLICATIONS

- Environmental protection.
- Agriculture and planting.
- Forestry.
- Soil quality measurement.
- Sewage treatment.
- Oil and gas pipeline corrosion monitoring.

CARACTERÍSTICAS CLAVE

- Online and real-time measurement.
- With temperature compensation.
- High accuracy.
- Simple operation.
- High reliability.
- Fast response.
- Strong corrosion resistance.



The *SPR500-03* soil CE sensor is designed to measure electrical conductivity and soil salinity.

It is a sensor suitable for applications of environmental and forest control, wastewater treatment, agriculture and crops, among other fields.

Measurements are taken by inserting the sensor into the soil from where the data have to be collected.


The recorded data are accurate and are obtained in real time.

Through the **Smartyplanet web platform**, this data is analyzed easily.

The electric conductivity sensor is compact and has a fast response.

It is resistant to corrosion. This makes it easy to adapt the sensor to any type of floor.

 CE sensor	
Range	0-20 mS/cm
Accuracy	±2 %
Response time	<1s

 Mechanical construction	
Housing material	ABS
Supply	12-24 VDC
Output	4-20 mA, 0-5 V, RS485

 Environmental protection	
Operating temperatura	-30°C to +70°C



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.