APPLICATIONS

- Weather monitoring stations.
- Contact temperatura measurement.
- Ports.
- Solar and wind power generation.
- Mobile weather monitoring vehicles.

KEY FEATUES

- Strong corrosion resistant ability.
- High accuracy.
- Wide range.
- Good stability.
- Various output signals optional.
- Easy installation.
- Compatible with Smartyplanet.

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SPR220-01 Paste type temperature sensor

The temperature sensor *SP-RK220-01* is the ideal solution to know the surface temperature of anybody with high precision.

It has applications within fields such as meteorology or power generation, among others.

The most important advantage of this sensor is that it can perform measurements in contact with the body.

The temperature that detects it converts it to voltage and thus it is possible to analyze the data registered with the **Smartyplanet web platform**.

It is a compact and accurate temperature sensor.

It is resistant to corrosion and its installation is simple.

Temperature sensor	
Range	-50 to +100 ºC
	-20 to +50 ºC
Accuracy	±0,5 ºC

Mechanical construction	
Probe weight	125 g
Power supply	5 VDC, 12-24 VDC
Load capacity	≤250 Ω
Output	RS485, 4-20mA, 0-5V

Environmental protection	
IP Rating	IP-65
Probe operating temperature	-50 to +120 ºC
Conversion module operating temperature	-40 to +85 ºC

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.