APLICACIONES

- Meteorological monitoring.
- Monitoring of environmental disasters.
- Hydrology surveillance.
- Water system supply.

KEY FEATURES

- Metallic construction.
- Mechanical operation.
- Reduced maintenance.
- Easy installation.
- High precision.
- Compatible with Smartyplanet.

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SPt027-TP500-N Resistant rain gauge for measuring rain and snow

The *SPt027-TP500-N* rain gauge is the ideal solution for rainfall measurements such as rain and snow.

It is designed to withstand adverse weather conditions so it can be installed in remote locations.

The rain gauge operates so that when one vessel is full, the weight of the water operates the incline, causing the water to be discharged and placing the other vessel in the collecting position ready for the next cycle.

The data collected by the sensor are registered and analyzed by the **Smartyplanet web platform** as it is fully compatible.

The maintenance of the rain gauge is minimal and its installation is simple.

Construction

Material	Aluminum, stainless steel, plastic
Weight	3,5 kg
Dimensions	ø = 260 mm ; h = 505 mm
Output	Relay contact
Protections	Inver polarity
Supply	10 to 16 VDC
Output resistance	44 Ω
Max. Load	390 Ω
Warm up time	30 s
Sensor	Swinging rosking element
Measurement ranges	0 to 82 mm
Conversion constant	0,2 mm/imp
Sensivity	0,2 mm
Accuracy	±2%

Environmental protection

Operating temperature	0 to +70ºC
IP rating	IP67

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.

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.

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

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.

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.

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.