SMARTY PLANET · Powered by Arantec

SMARTY METEO

APPLICATIONS

- Unattended meteorological monitoring system.
- Mobile meteorological monitoring system.
- Electric power safety montoring.
- Solar or wind power generation.
- Port and navigation of the ship.
- Scenic region.
- Meteorological science research.

KEY FEATURES

- Metallic and plastic construction.
- High accuracy.
- No moving parts.
- Zero wear and tear.
- Strong corrosion resistant ability.
- No maintenance.
- Long service life.
- Convenient data download.
- Different sensor combination.
- Solar power supply optional.

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SPR900-06 Ultrasonic automatic weather station

The *SPR900-06* ultrasonic weather station is the ideal solution designed for the control of meteorological parameters.

It is composed by an ultrasonic probe that measures the speed and direction of the wind and by different sensors.

These sensors can be any type of sensor that serves for the meteorological control. Typically, temperature, humidity and pressure sensors are usually incorporated.

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

This ultrasonic weather station is a compact solution with no moving parts. The wear and maintenance it requires are minimal.

General features

Supply	12-24 VDC, 100-240 VAC, solar energy
Internal storage	6000 data group
External storage	Disco U
Communication mode	RS232, RS485, USB, Ethernet, Wireless
Inter-record interval	1 min-60 min adjustable
Operating temperature	-40 to +80ºC
EMC	EN61000-6-3 , EN61000-3-3 EN61000-3-2 , EN61000-6-1
IP rating	IP65
Material	Aluminum, stainless steel, plastic

Sensors

	Temperature	Humidity	Solar radiation	Wind speed	Wind direction	Air Pressure	Dew Point
Range	-50 to +80ºC	0%-100%HR	0-2000 W/m^2	0m/s a 60m/s	0-360º	550-1060 hPa	-40 to +50ºC
Accuracy	±0,1ºC	±2% HR	±5%	±0,2 m/s	±2º	±0,3 hPa	±0,2ºC
Resolution	0,1º	0,1% HR	1W/m^2	0,1 m/s	1º	0,1 hPa	0,1º

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.