APPLICATIONS

- Meterorological monitoring.
- Wind resources evaluation.
- Marine applications.

KEY FEATURES

- Rugged design.
- Resistant to hostile conditions.
- Integrable with wireless sensor networks.
- Compatible with Smartyplanet.

July 2017

SP05108-L Anemometer for measuring wind speed and direction

The *SP05108-L* anemometer is the ideal solution for measuring wind speed and direction.

It is specifically designed for applications where sensor access is limited and conditions are difficult.

The anemometer is fully compatible with the **Smartyplanet web platform** so data can be analyzed instantly.

Wind speed sensor

Measure range	0 to 100 m/s
Accuracy	±0,3 m/s or 1% Reading
Threshold	1m/s
Constant distance	2,7m
Output	AC (3 pulses/rev) 90Hz=8,8m/s
Precision	±1cm or 0,4% from the objective distance

Sensor dirección viento

Mechanical range	0 to 360º
Electrical range	355º
Accuracy	±3º
Threshold	1m/s to 10º
Damped wavelength	7,4 m
No damped wavelength	7,2 m
Damped coefficient	0,25
Output	Excitation voltage

Mechanical construction

Weight	1 kg
Housing diameter	5 cm
Propeller diameter	18 cm
Height	37 cm
Length	55 cm

Environmental protection

Operating temperature	-50 to +60ºC

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.