



Meteorological real time station

This station was designed in order to control the meteorological data from a compact and easy to install device. The ideal solution to know via **online** the environmental parameters easily, precisely and without expensive and difficult facilities. Fully integrated with the web **SmartyPlanet**.

APPLICATIONS

- Meteorological local information
- Nautical activities and sailing.
- Flight centers.
- Beaches and leisure places.
- Golf courses.
- Hotels, swimming pools, playtime zones, etc.
- Parks and gardens.

MEASURED PARAMETERS

- Environmental temperature.
- Relative humidity
- Speed and wind direction.
- Wind squalls.
- Rain.
- Atmospheric pressure.
- UV index
- Solar radiation.
- Thermal sensation.

OPTIONS

- Display unit of information.
- Kit with Wi-Fi connection for remote locations that not have ADSL.
- Solar supply for the kit.
- UPS power streetlights for the kit.



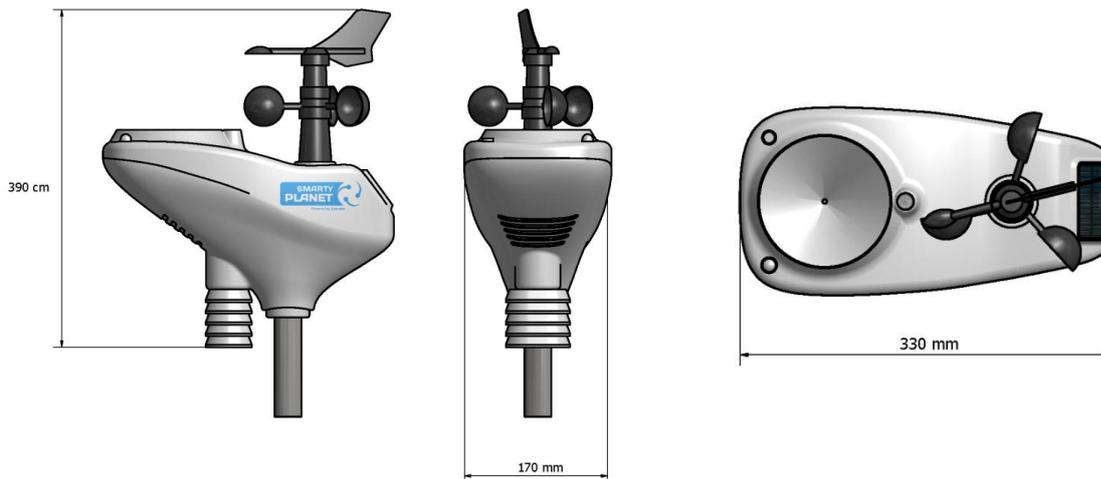
Components

Station of sensors for outdoors.
 Radio IP PBX with connection to the router.
 Internal Termo-hygrometwr-barometer sensor.
 Optional: independent screen TFT LDC colour.

Comunicaciones

Internet via Ethernet port of a router.
 Distance between Station and IP Receptor: 100m
 Radiofrequency: 433 MHz / 868 MHz / 915
 Sending interval average data: every 15 minutes
 Data stored in Cloud Data Server secure.
 Fully configured and running.

SENSORS	UV	Solar Radiation	Rain	Barometric pressure	Wind direction	Wind speed	Relative humidity	Environment Temperature	Indoor humidity
Range	0-16	1 Lux		300 - 1097 mbar	0° - 360°	0 - 45 m/s	0-100% HR	-40 a +65°C	0 - 100%HR
Resolution	0,1	0 - 400k Lux	0,3 mm	0,34 mbar	1°	0,1 m/s	1%HR	0,1°C	1% HR
Precision	5%	15%	±10%	±2,7 mbar	±1°	±10% or 0,1m/s	±5%HR	±1,1°C	±5 %HR
Goose diameter			119 mm						
Measurement interval						2,5s			



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.