



SPMETEOS 101 Weather station with several sensors

APPLICATIONS

- Meteorological monitoring.
- Traffic.

KEY FEATURES

- Control of different parameters.
- Polycarbonate and aluminum construction.
- Compact size.
- Possible to incorporate a heating system.
- High precision and reliability.
- RS485 interface.
- Easy installation.
- Reduced maintenance.



The *SPMETEOS 101* weather station is the ideal solution for the control of different meteorological parameters.

Sensors which are incorporated in the meteo station measure air temperature, relative humidity, intensity and type of precipitation, air pressure and wind speed and direction.

Thanks to its full compatibility with the **Smartyplanet web platform**, collected data are instantly analyzed.

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.



General features

Interface	RS485
Weight	2 kg
IP Rating	IP66
Dimensions	Diameter: 200mm, Height: 280mm
Housing material	Polycarbonate and aluminium
Power supply	24 VDC +/- 10% < 5VA (without heating) 24 VDC +/- 10% < 30VA (with heating)
Temperature range	-40°C to +80°C
Accessories	10m connection wire



Sensors

	Temperature	Relative humidity	Precipitation intensity	Wind speed	Wind direction	Air pressure
Principle	NTC	Capacitive	Doppler radar	Ultrasonic	Ultrasonic	MEMS capacitive
Measurement range	-40 to +80°C -40 to +176°F	0%-100%HR	0,01 mm	0m/s to 75 m/s	0-359°	300 hPa to 1200 hPa
Accuracy	±0,2°C	±2% HR	1mm/h to 25,4 mm/h	±0,3 m/s or 3% reading	±3°	±1,5 hPa
Units	°C or °F	g/m ³ , %				
Repeatability			>90%			
Measurement type			Rain, snow, hail			
Heating				25VA-30VA to 24 VDC		