

HY-WDS6E Compact Weather Station

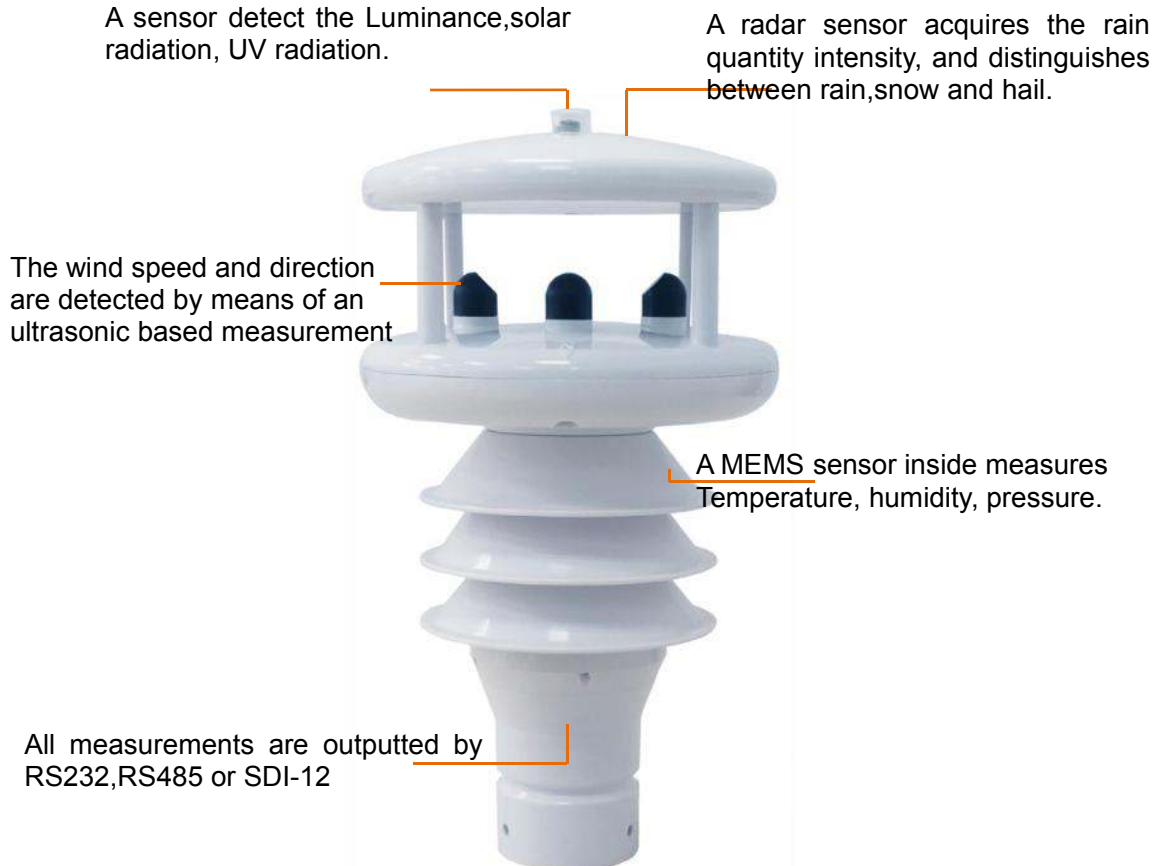
Overview

HY-WDS6E is a weather station integrated with multiple high accuracy sensors. Chengdu HongYuv technology utilising our expertise as the Chinese leading weather station manufacturer, Wind measurement of HY-WDS6E is based on our ultrasonic technology, is of a robust, high strength construction designed to withstand installation and use with no fear of the damage commonly experienced with more fragile cups/vane weather station. Ideal for applications that demand economic weather sensing. Without the need for expensive on-site calibration or maintenance and with a corrosion free exterior, HY-WDS6E is maintenance free, quick and easy to install.

HY-WDS6E can realize simultaneous measurement of multi-parameters: atmospheric temperature, atmospheric humidity, wind speed, wind direction, air pressure and precipitation. Precipitation is detected by 24G radar, which can rapidly detect precipitation and its intensity. With optional GPS and electronic module, true wind, longitude and moving velocity can be accurately obtained

Features

- Robust design, easy to install, 24 hours continuous monitoring
- Without moving parts, whole system is free of maintenance
- MODBUS communication protocol, standard RS485/RS232 output
- Electronic compass, GPS or BeiDou global positioning module can be added
- With internal heating device ensures normal operation in cold weather
- Radar precipitation can accurately measure amount of precipitation and reflect beginning and ending of raining.

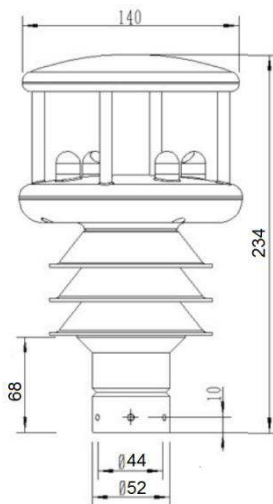


Specifications

Model	HY-WDS6E			
Signal Output	RS232、RS485、SDI-12			
Power Supply	DC: 7-24V			
Data Output	1 per second			
Power Consumption	125mA@12V(heating off)			
Material of Body	ABS			
Communication Protocol	Modbus、NMEA-0183、SDI-12			
Dimension	Ø144 * 248 mm			
Operating Temperature	-40℃ - +70℃			
Operating Humidity	0 - 100%			
	Principle	Range	Accuracy	Resolution
Wind Speed	Ultrasonic	0-60m/s	±2%	0.01m/s
Wind Direction	Ultrasonic	0-359°	<3°	1°
Air Temperature	MEMS sensor	-40℃ - +80℃	±0.5℃	0.1℃
Air Humidity	MEMS sensor	0-100%	±2%	0.1%
Air Pressure	MEMS sensor	150-1100hPa	±1 hPa	0.1hPa
Precipitation (Type:Rain/Hail/Snow; Intensity:Rain)	Radar	0-100mm/hr	±10%	0.01mm
Luminance	Silicon	0-200000 lux	±5%	1 Lux
Solar Radiation	Silicon	0-2000 W/m2	±5%	1 W/m2
UV	Silicon	0-2000 W/m2	±5%	1 W/m2
UV Index	Silicon	0-15	±5%	1
PM1.0/PM2.5/PM10	Laser scattering	0-500ug/m3	±10%	1 ug/m3
Sea level	MEMS sensor	-50-9000m	±5%	1m

Note: All parameters needed should be decided when you place the order. Final price depend on configuration.

Dimension



Site Photos

