

NANOAI TECHNOLOGY PRIVATE LIMITED

FF-08, Omaxe CP, Beta -II, Greater Noida 201310, IN

AWS WeatherSonic-XI Compact Weather Station

Overview

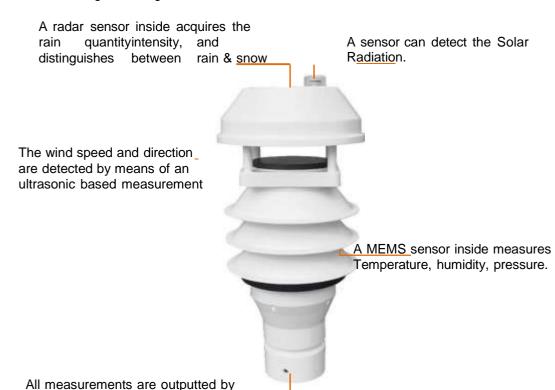
WeatherSonic XI is a weather station integrated with multiple high accuracy sensors. NanoAI's expertise as the Indian leading weather station provider, Wind measurement of the sensor is based on our ultrasonic technology, is of a robust, high strength construction designed to withstand installation and 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, WeatherSonic XI is maintenance free, quick and easy to install.

WeatherSonic XI 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

RS232,RS485 or SDI-12

- 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
- Radar precipitation can accurately measure amount of precipitation and reflect beginning and ending of raining.





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Specifications

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Model	WeatherSonic XI			
Signal Output	RS232 or RS485 or SDI-12			
Power Supply	7-24VDC			
Data Output	1 per second			
Power Consumption	125mA@12V			
Material of Body	ASA			
Communication Protocol	Modbus or NMEA-018 or SDI-12			
Dimension	Ø144 * 248 mm			
OperatingTemperature	-40℃ - +70℃			
Operating Humidity	0 - 100%			
	Principle	Range	Accuracy	Resolution
Wind Speed	Ultrasonic	0-70m/s	±3%	0.1m/s
Wind Direction	Ultrasonic	0-359°	<3°	1°
AirTemperature	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;	Radar	0-200mm/hr	±10%	0.01mm
Intensity:Rain)				
Solar Radiation	Photo Diode	0 to 2000watts	±5%	1 watt

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

Dimension

