

WIND SPEED



Anemometer (Cup)

SS-WSS is compact and exquisite in shape, featured with robust wind cups, a unique aero-cone design and efficient heating method, suitable for all kinds of harsh environments. The output signal can be directly connected to the data acquisition system through RS485 or photoelectric isolation pulses. It can be widely used in meteorology, ocean, environment, airport, port, agriculture, transportation and other fields.



Features

- Accurate wind speed sensors with low threshold.
- Built-in precision signal processing unit.
- New photoelectric coupling design, featured with high sensitivity and high dynamic response.
- Support RS485 digital signal output as well as pulse signal output and online calibration.
- Compact all-aluminum body and black glass fibre cups with anti-freeze and heating function for long time life to the heavy environmental conditions and strong winds.
- Design and performances addressed to meteorological applications

Technical Specifications

	SS-WSS-01	SS-WSS-02
Output	Pulse	RS485
Communication Protocol	-	Modbus

Common Technical Specifications

Wind Speed	Measuring Range	0.5 – 65 m/s
	Starting Threshold	<0.5 m/s
	Accuracy	± 0.2 m/s
	Resolution	0.031 m/s
General Information	Outer diameter of the mounting pole mast	50mm/52mm
	Operating Power	Without Heater: 5 – 24VDC 20mA (typical) With Heater: 12VDC 1A (typical)
	Operating temperature when heating	-50 ~ 55 °C
	Storage temperature	-60~70 °C
	Material	Housing: Aluminum alloy Material Wind cup: Black glass fiber nylon
	Dimensions	240 (H) × 182 (Ø) mm
Weight	500g	