

## Wind Speed and Direction Sensor

---



The Sourayan Make Wind sensor is compact weather sensor integrated with wind speed and wind direction highly accurate sensors. Wind measurement is based on our ultrasonic technologies, is of a robust, high strength construction designed to withstand installation and use with no fear of damage commonly experienced with more fragile cups/vane weather station.

Our weather sensor are made in molded thermoplastic, also known as ASA, which has his outdoor weather ability. ASA is extremely resistant against UV radiation of Sun, it is frost and heat resistant, standing all climatically condition for over 10 years.

- **Power Supply:** 12-24VDC
- **Signal Output:** Modbus 485
- **Power consumption:** 20mA@5VDC
- **Dimension:** 110X140mm
- **Operating Temperature:** -20° to 80°C

\*Specifications may be subject to change without prior notice.

### KEY FEATURES:

- ❖ Modbus 485 output
- ❖ Without moving parts, whole system is free of maintenance
- ❖ Robust Design, Easy to Install

### Specifications:

---

#### Wind Speed:

- Principle: Ultrasonic
- Range: 0 to 70 m/s
- Accuracy:  $\pm 0.3\text{m/s}$  or 2%  
(0....15m/s)  $\pm 3\%$  (> 15m/s)
- Resolution: 0.1 m/s
- Response time: < 2 sec

#### Wind Direction:

- Principle: Ultrasonic
- Range: 0° to 359°
- Accuracy: <3°
- Resolution: 1°
- Response time: < 2 sec

**Standard Warranty: 2 years against manufacturing defect**