



Typical Applications

- Traffic control
- Meteorology
- Oil drilling platform
- Marine application
- Industrial automation
- Wind power plant
- Weather station

Specification

Wind speed

Range	0 - 60m/s
Accuracy	±2%
Resolution	0.01m/s(0.02 knots)
Threshold	0.01m/s

Wind Direction

Range	0 - 359°
Accuracy	±3°
Resolution	1°

Measurement

Output Rate	1 data per second (4 Hz customized)
Parameters	Wind Speed & Direction
Unit of measure	m/s, km/h, knots, mph, ft/min (selectable)
Protocol	MODBUS/NMEA-0183/SDI-12

Outputs

Analogue outputs	2 outputs: 4-20mA. Max. 500Ω Load
Serial outputs	RS232、RS485、SDI-12
Baud Rate	4800-19200

Warranty

	2 years
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HY-WDS2E Ultrasonic 2D Anemometer is a compact ultrasonic wind speed and wind direction sensor. It is designed to simultaneously measure the 2-dimensional horizontal components of the wind speed and direction. Using ABS shell, Weight is lighter and Structure is robust. Build-in own intelligent heating module, It can normally work under the cold and freezing weather.

Key features

- No moving or wearing parts
- Maintenance free
- Rugged and reliable
- High precision and accuracy
- Build-in three axis electronic compass
- Build-in 3D acceleration module

Power requirements

Power supply	DC 5—30V
Power Consumption	5mA@12V(Without heater) 0.7mA@12V(eco-power mode)
Startup time	< 1 seconds

Mechanical

Housing	ABS shell
Dimension	Φ144×163mm
Weight	0.38kg

Environmental

Protection	IP65
Operating Temperature	-40°C to +70°C
Storage Temperature	-50°C to +80°C
Operating Humidity	0 to 100% RH

MTBF(Mean Time Before Failure)

	10 years
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Accessories

Cables	4m
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Color of body

	Black or White
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Dimension

