

## HY-WDS2E Ultrasonic Anemometer

### Brief Introduction

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 ASA shell, Weight is lighter and Structure is robust. Build-in own intelligent heating module, It can normally work under the cold and freezing weather.



### Typical Applications

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

### Key Features

- ◆ No moving or wearing parts
- ◆ Maintenance free
- ◆ Rugged and reliable
- ◆ High precision and accuracy
- ◆ Optional compass module
- ◆ Optional GPS module

### Technical Parameters

Parameters	Measure Range	Accuracy	Resolution
Wind Speed	0-60m/s	±2%	0.1m/s(0.2 knots)
Wind Direction	0-359°	±3°	1°
Threshold of wind speed: 0.1m/s			
Output rate	1 data per second		
Power supply	7-30VDC 10mA@12VDC		
Start up time	< 2 seconds		
Protection Class	IP65		
Operating Temp.	-40℃ to +70℃		
Storage Temp.	-50℃ to +80℃		
Output options	RS232,RS485,SDI-12,4-20mA		
Color options	White-default or Black		
Optional protocol	MODBUS-RTU,NEMA0183,Active output,SDI-12		
Dimension	Φ144×165mm		
Material of body	ASA 0.36 kg		
Warranty	24 months; Mean Time Before Failure: 10 years		
Certification	CE		

## Site Photos

