

2. HY-WDC series MINI Weather Station

HY-WDC2E cost-effective ultrasonic anemometer

HY-WDC2E Ultrasonic 2D Anemometer is designed to simultaneously measure the 2-dimensional horizontal components of the wind speed and direction based on principle of TOF(time of flight) of ultrasonic sound wave. Low power chip make its power consumption low to 0.2W. By using ABS shell allows a lighter weight is lighter and more stable structure.



Specification

HY-WDC2E	Range	Accuracy	Resolution
Wind Speed	0 - 40m/s	±3%	0.1m/s
Wind Direction	0 - 359°	±3 °	1°
Digital Output	RS485 、 RS232、 SDI-12		
Baud Rate	4800 - 19200		
Communication Protocol	ModBus-RTU、 NMEA-0183、 ASCII		
Protection Grade	IP65		
Operating Temperature	-20℃ - +50℃		
Operating Humidity	0 - 100%		
Operating Voltage	3-30VDC 18mA @12V		
Dimension/Weight	ABS: Φ82×108mm 、 0.28kg ; Aluminum alloy: Φ82×125mm , 0.38kg		
Color of Body	Black or White		
Material	ABS or aluminum alloy		

Features

- Extremely low power consumption(0.2W), suitable for solar-powered
- No moving or wearing parts
- Low power design supports battery-operated data loggers.
- Using engineering plastic or aluminum alloy shell make it lighter
- Adopts the reflecting type of ultrasonic probe, robust structure



Dimension

