

# HY-WDC2E Ultrasonic Anemometer

## Introduction

HY-WDC2E ultrasonic anemometer is designed to simultaneously measure wind speed and direction based on principle of ultrasonic wave phase shift. It's designed for continuous, long-term, unattended operation in adverse conditions.

Power consumption low to 15mA@5VDC. ASA shell allows a lighter weight and robust structure, ASA is extremely resistant against UV radiation of sun, it is frost and heat resistant, standing all climatically conditions for over 10 years.

It is widely used in the automotive industry as well as various outdoor applications.

## Application

Weather observation

Marine, Offshore, Buoys

Cranes & Construction

Wind Farm & Turbine

Agriculture and Environment monitoring



## Specification

Wind Speed: 0 ~ 40 m/s Resolution: 0.1 m/s  
Accuracy:  $\pm 5\%$

2 minutes, 10 minutes secondary calculated  
Minimum Maximum Averaged wind is optional  
with extra cost.

Wind Direction: 0 ~ 360° Resolution: 1°  
Accuracy:  $\pm 3^\circ$

Serial Output: RS232 or RS485

Analog output: 4-20mA or 0-5V (with extra cost)

Formats: ASCII active output, NMEA0183,  
MODBUS-RTU, SDI-12

Baud rate: 1200 ~ 115200 bps Wind Units: m/s

Power Supply: 5-30 VDC < 15 mA typical

Operating Temperature: -40 ~ +70°C

Protection Class: IP65


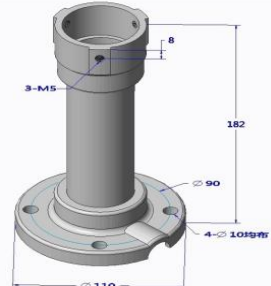
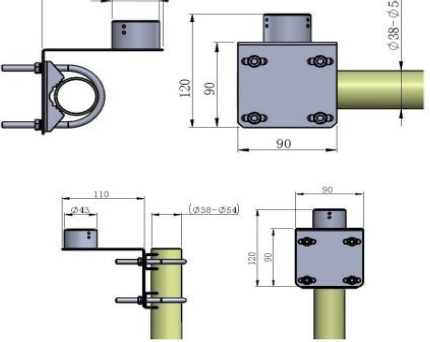
Dimensions:  $\Phi 82 \times 108$ mm

Weight: ASA: 0.18 kg Aluminium: 0.38kg

Aluminium body is optional extra cost.

Shipping Weight: 2 kg

## Optional component

 <p>with screw standard 3/8-16 UNC</p> <p><b>Material: Aluminium</b></p> <p><b>Tripod installation kit 40 USD/UNIT</b> Tripod is not included</p>	 <p><b>Mounting mast</b> 25 USD/UNIT <b>Material: Cast Aluminium</b></p> <p><b>Mounting mast 25 USD/UNIT</b></p>	 <p><b>Material: SUS304</b></p> <p><b>Mounting bracket 25 USD/UNIT</b></p>
---	---	---