

# HY-SA2PE Ultrasonic Anemometer for Power Plant

## Introduction

HY-SA2PE 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. It's equipped with our strongest heating module to enable it work under harsh cold weather. Aluminum alloy with anodized and corrosion-resistant surface and compact structure make it utilize heating to melt snow/ice rapidly.

## Application

- Wind turbine plant monitoring
- Weather observation
- Ports and harbours
- Emergency services
- Coastal and ocean buoys
- Agriculture and horticulture
- Environmental monitoring
- Crane safety alarm



## Specification

Wind Speed: 0 ~ 60 m/s Resolution: 0.1 m/s  
Accuracy:  $\pm 3\%$

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

Serial Output: RS232 or RS485  
Formats: ASCII, ASCII polled, NMEA0183,  
MODBUS-RTU, SDI-12

Baud: 1200, 4800, 9600, 19200, 38400

Wind Units: m/s

Power Consumption:

Sensor: 5-30 VDC < 15 mA typical

Heating: 1.8A@24VDC (about 40 Watt)

Automatic ON/OFF at 0°C

Environmental:

Operating Temperature: -60 ~ +70°C


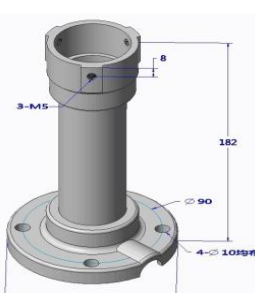
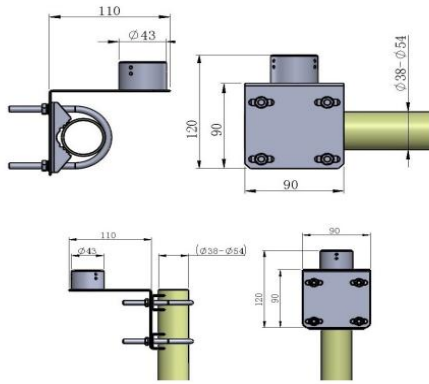
Protection Class: IP65

Dimensions:  $\Phi 57 \times 100$  mm

Weight: 0.5 kg

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 25 USD/UNIT</b> <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>
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