

HY-SA2PE Ultrasonic Anemometer for Power Plant

Introduction

HY-SA2PE ultrasonic anemometer is an instrument which uses flight time difference of ultrasonic wave in the air to measure wind speed and direction simultaneously. Shell of it is made of aluminum alloy with anodized and corrosion-resistant surface that makes it compact, robust and delicate.

Application

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



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 Requirement:

Sensor: 5-30 VDC < 15 mA typical

Heating: 900mA@24VDC

Automatic ON/OFF at 0°C

Environmental:

Operating Temperature: -60 ~ +70°C


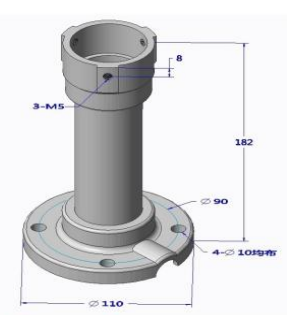
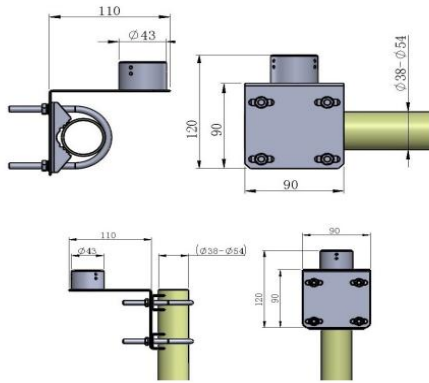
Protection Class: IP65

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>Material: Aluminium</p> <p>Tripod installation kit 40 USD/UNIT Tripod is not included</p>	 <p>Mounting mast 25 USD/UNIT Material: Cast Aluminium</p> <p>Mounting mast 25 USD/UNIT</p>	 <p>Material: SUS304</p> <p>Mounting bracket 25 USD/UNIT</p>
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