

Ultrasonic Anemometer

»Product Introduction

The HY-SA3E anemometer measures wind speed and direction by utilizing the time difference in the propagation of ultrasonic waves through the air. It is used to monitor meteorological parameters such as wind and rain in natural environments. The product features a design primarily consisting of circular and square shapes, and its housing is made of engineering plastic (ASA).



»Technical Indicators

Parameters	Range	Accuracy	Resolution
Wind Speed	0–70 m/s	±3%	0.1 m/s
Wind Direction	0–359°	±3°	1°
Operating Temperature/Humidity	-40 ℃ ~ 80 ℃ / 0–100%RH		
Digital Output	RS232、RS485、SDI-12 (Choose one)		
Baud Rate	1200–115200		
Protocols	ModBus-RTU		
Protection	IP65		
Power	VDC: 12–24		
Power Consumption	0.3 W		
Size/Weight	Φ110×142 mm / 0.18 kg		
Material	ASA		

»Applications

- Home Weather Stations
- Agricultural Weather Monitoring
- Wind Speed Monitoring for Tower Cranes



»Key Features

- Maintenance-free, long service life
- No moving parts, zero wear
- Engineering plastic housing, lightweight
- Ultrasonic probe with a reflective structure; compact design
- Uses acoustic phase compensation technology for high measurement accuracy



»Product Showcase



