

Ultrasonic Anemometer

**METEOROLOGICAL SENSOR
DATASHEET**

BHM-S-WSD-Ultra is an Ultrasonic Anemometer uses highly stable ultrasonic probes 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. Power consumption is low to 10mA@12VDC. 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 meteorological industry as well as various outdoor applications.

SPECIFICATION - VIEW

PROFESSIONAL LINE	SPECIFICATION
Model	BHM-S-WSD-Ultra
Wind Speed	0 ~ 60 m/s (80m/s is optional with extra cost)
Resolution	0.01 m/s
Accuracy	± 2% (Gust and averaged wind is optional with extra cost.)
Wind Direction	0 to 360° (Resolution: 1°, Accuracy: ± 3°)
Interface	RS232 or RS485 or 4-20mA
Protocol	ASCII active output, NMEA0183, MODBUS-RTU, SDI-12
Baud rate	1200, 4800, 9600, 19200, 38400
Wind Units	m/s, knots, mph, kph, ft/min
Power Requirement	Sensor: 10 mA @ 7-30 VDC typical
Heater	Automatic ON/OFF at 0°C (100mA@12V)
Environmental	Operating Temperature: -50 ~ +70°C
Protection Class	IP65
Color	white as default, black is optional
Dimensions	Φ144×165mm
Weight	0.36 kg (Shipping Weight: 2.5 kg)
Data output	Instantaneous, average, max, min and gust wind data are available.

APPLICATION - VIEW

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

IMAGE - VIEW



Representative