

Wind Speed & Direction Sensor

Wind Insights Perfected: Precise Speed and Direction Monitoring

Overview

MBMet 130 series offers combined Wind Speed and Direction Sensor in an integrated design construction. The rotary wind cups and vane are designed to stand up to strong-force winds and at the same time be sensitive to light breeze. The wind speed part adopts the traditional three-wind cup structure, featuring low start wind speed, large measuring range, stability and a long service life.

Benefits and Features:

- Compact Wind Speed and Direction Sensor
- Low starting threshold
- Easy maintenance
- Adapts to harsh weather conditions
- Easy Installation
- Outputs in Digital RS-485 Modbus and Analog 4-20mA



Technical Specifications

Model/Parameter	MBMet - 130A	MBMet - 130B
Output	4-20mA	RS-485 Modbus
Input Voltage	12 to 24VDC	

Wind Speed (Anemometer)

Measuring Range	0 to 45m/s	0 to 70m/s
Accuracy	±3%	
Resolution	0.1m/s	
Starting Threshold	0.5m/s	
Extreme Wind Speed	75m/s	

Wind Direction (Vane)

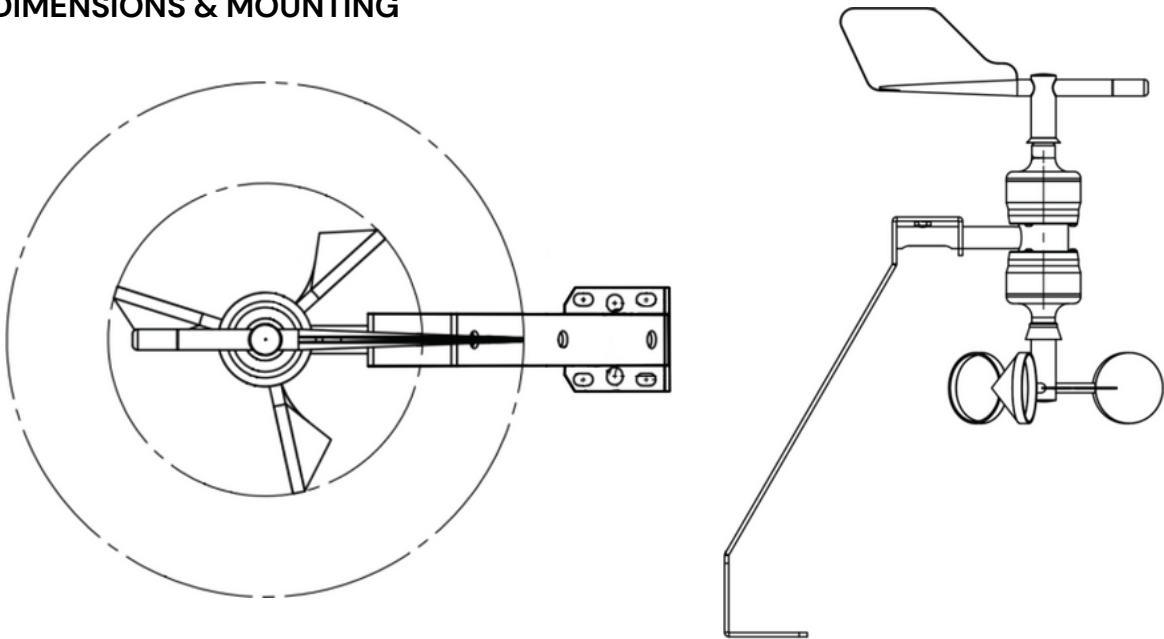
Measuring Range	0 to 360°
Accuracy	±3°
Resolution	1°

General Specifications

Operating Temperature	-40°C to +70°C
Ingress Protection Rating	IP65
Installation Bracket	Included

Body Material	Carbon fiber and Aluminum alloy
Weight (unpacked)	700g
Power Consumption	0.3W

DIMENSIONS & MOUNTING



Ordering String

Model	Series	Output	Accessories	Cable Length	
MBMet					
	130				
		A			4-20mA
		B			RS-485 Modbus
			A		With Pole Mounting Accessories
			X		Without Pole Mounting Accessories
				5000 mm	Default
				XXX mm	As Required

For example : MBMet-130-BA5000
 Parameter : Wind Speed + Wind Direction
 Output : RS-485 Modbus with Pole Mounting Accessories, Cable Length : 5 meters

SEE ALSO

- MBMet 110 Wind Direction Sensor
- MBMet 500 Solar Irradiance Sensor
- MBMet 701 Soiling Monitoring Station
- MBMet 800 PV Module Temperature Sensor
- MBMet 901 Air Temperature, Humidity & Pressure Sensor
- View our complete range of Weather Sensors