

RK120-05 Propeller type wind speed and direction sensor integrates wind speed and direction measurement unit. The structure adopts the classic propeller tail structure, which has good start-up performance at low wind speed; precision signal processing. The unit can output all kinds of signals according to the user's needs, with large range, good linearity, convenient observation, stability and reliability. The wind direction part adopts precision angle sensor and low inertia wind vane, which has good linearity and high precision. No dead angle, convenient observation, stable and reliable. It can be widely used in meteorology, ocean, environment, airport, port, laboratory, industry, agriculture, transportation and other fields.

FEATURES

- Combined wind speed & direction sensor
- Low starting threshold
- Good corrosion resistance
- Compact and light design
- Easy installation



APPLICATIONS

- Environmental monitoring
- Bridge & Tunnel
- Solar and wind power generation
- Wind resource assessment
- Automatic weather station
- Agriculture

TECHNICAL SPECIFICATION

Item	Technical Specification	
	Wind speed	Wind direction
Range	0-60m/s	0-360°
Resolution	0.2m/s	1°
Accuracy	$\pm(0.5+0.05V)$ m/s, V:current wind speed	$\leq \pm 5^\circ$
Start-up wind speed	<1.1m/s	
Acquisition Cycle	1s	
Supply	9-24VDC	
Output Signal	RS485(Typ.),SDI-12,CAN	
Communication protocol	NMEA(Typ.),MODBUS-RTU,ASCII(Compatible with vaisala)	
Power Consumption	<0.9W	
Operating Temperature	-55~+55°C	
Ingress Protection	IP66	
Main material	AAS	
Standard	GB/T24559-2009,IEC61162-1	
Storage	10-60°C@20%-90%RH	



Complies with applicable CE directives.

Specifications subject to change without notice. Version 1.0

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