

RK120-09D wind speed and direction meter is a kind of measuring instrument which uses the time difference of ultrasonic wave in the air to measure the wind speed and direction. It uses low-power chip with power consumption of only 0.2W, which is especially suitable for solar or battery powered environment with high power consumption requirements. Due to the adoption of new technology and new process, the structure is more compact and compact. This model is customized to be completely compatible with Davis Vantage Pro2 series weather station, can be directly connected to Davis ISS via RJ11 port. Wind speed is pulse signal, wind direction is potentiometer signal, which can completely replace #7911, #7913, #7914, #6410 from Davis.

FEATURES

- Adapt to complex weather conditions
- No moving parts, long service life
- The surface preservative treatment
- Strong anti-interference
- High accuracy
- Strong anti-interference



APPLICATIONS


- Environmental monitoring
- Sea-going vessel
- Bridge & Tunnel
- Solar and wind power generation
- Wind resource assessment
- Drilling platform
- Automatic weather station
- Agriculture

SYSTEM TECHNICAL SPECIFICATION

Item	Technical Specification		
Power Supply(separate)	5V-30VDC,solar power is optional		
Power consumption	0.2W		
Output Signal	Wind speed:pulses,wind direction:potentiometer completely compatible with Davis Vantage Pro2 series		
Operating Temperature	-30°C-+70°C		
Ingress Protection	IP65		
Dimension	Φ 110*140mm		
Weight(unpacked)	0.5kg		
Main material	ASA		
Item	Technical Specification		
	Range	Resolution	Accuracy
Wind speed	0-70m/s	0.1m/s	±3%
Wind direction	0-360°	1°	±3°
Extreme Wind Speed	80m/s		

INSTALLATION EXAMPLES




 Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.1

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