

RK100-02 Wind Speed Sensor



The RK100-02 Wind Speed Sensor uses a sensitive 3-cup anemometer designed to measure wind speed and wind run. The cups are made of carbon fiber material, with high intensity and low starting threshold. The signal processing units are built in the housing shell. It can be widely used in meteorology, marine, environmental monitoring, airport, harbor, laboratory, industrial and agricultural areas.

FEATURES

- Low starting threshold
- Overall carbon fiber material
- Strong corrosion resistant ability
- Light structure
- Various output signals optional
- Easy Installation



APPLICATIONS

- Weather monitoring stations
- Safety monitoring of high altitude equipment
- Ports
- Solar and wind power generation
- Mobile weather monitoring vehicles
- Marine vessels
- Remote airports & helipads
- Road & rail tunnels

SPECIFICATIONS

Output	Pulses(NPN)	4-20mA	0-5V	RS485
Supply Voltage	5V,12V-24V	5V,12V-24V	5V,12V-24V	5V,12V-24V
Load Capacity	>1kΩ,default:high level:5V	<500Ω(typ 250Ω)	>1kΩ	
Range	0-45m/s	0-45m/s	0-45m/s	0-45m/s
Accuracy	±3%			
Resolution	0.1m/s			
Starting Threshold	<0.5m/s			
Limit wind speed	50m/s			
Ingress Protection	IP65			
Operating Temperature	-40°C~+50°C			
Cable Grade	Nominal voltage:300V ,Temperature grade:80°C			
Weight(unpacked)	170g			
Dimension	Cup rotor:ø179mm,Height:160mm			
Main material	Carbon fiber			
Storage Condition	10°C-50°C@20%-90%RH			

PARAMETER SELECTION TABLE

Remark	Series	Type	Supply	Output	Cable Length	
RK						
	100					
		02				
			A			5V
			B			
			C			12-24V
			X			Other
				A		4-20mA
				B		0-5V
				C		RS485
				D		Pulses
				X		Other
					2500	Units:mm(typ)
					3000	Units:mm
					...	Units:mm

Example: RK100-02CA2500 Supply:12-24V,Output:4-20mA,Cable Length:2.5m.



Complies with applicable CE directives.
 Specifications subject to change without notice. Version 3.1
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