RK120-09 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 0.3W, 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.

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

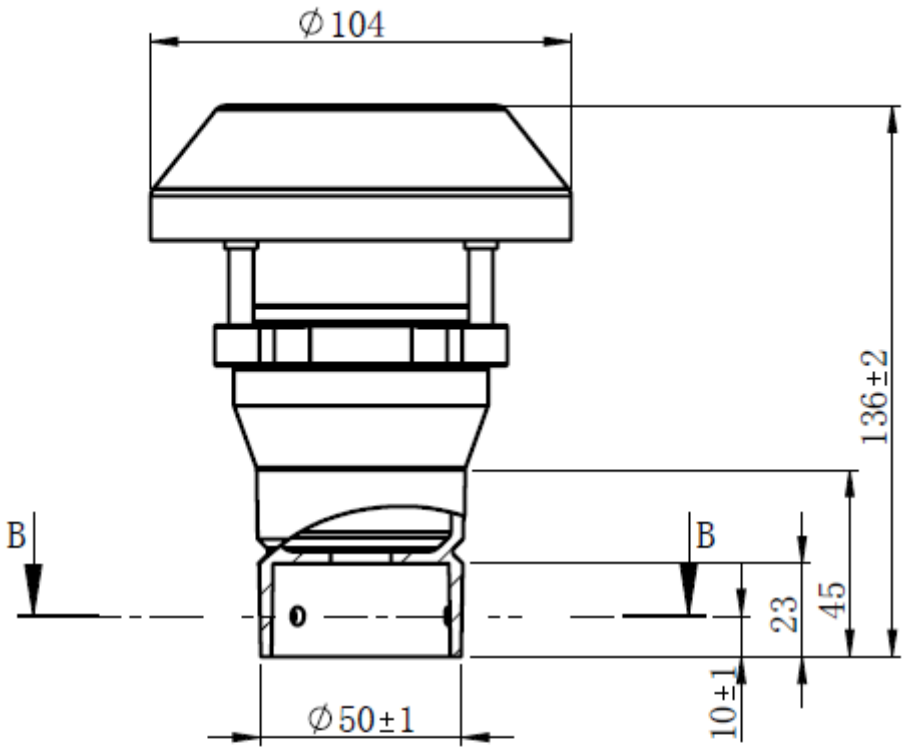
SYSTEM TECHNICAL SPECIFICATION

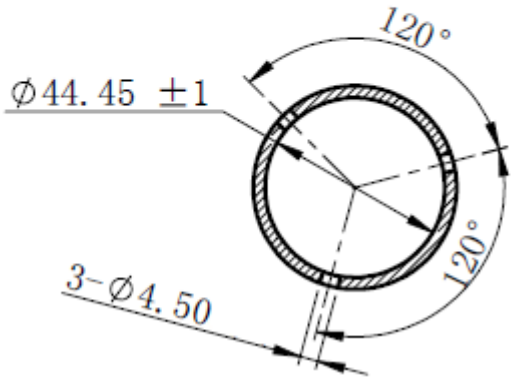
Item	Technical Specification	
	Wind speed	Wind direction
Range	0 - 70m/s	0 - 359°
Resolution	0.1m/s	1°
Accuracy	±3%	±3 °
Power Supply	5V,12-24VDC	
Power consumption	0.3W	
Output signal	RS232/RS485(Modbus/NMEA-0183),4-20mA/0-5V①optional	
Operating temperature	-40℃-+80℃	
Ingress protection	IP65	
Dimension	Φ110*140mm	
Weight(unpacked)	0.18kg	
Main material	ASA	

①4-20mA/0-5V can only be the two parameters of wind speed and direction, and the power supply can only be 12-24V

DIMENSION

Unit：mm





PARAMETER SELECTION TABLE

Remark	Series	Type	Supply	Output	Cable length	
RK						
	120					
		09				
			A			12-24V
			B			5V
			X			Other
				A		4-20mA
				B		0-5V
				C		RS485(Modbus)
				D		RS485(NMEA-183)
				E		RS232(Modbus)
				F		RS232(NMEA-183)
				G		SDI-12
					4000	4m, default
					10000	10m
					...	

Example: RK120-09AA4000 Supply:12-24V, Output:4-20mA,Cable length:4m.

CE Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.1

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