

RK900-09 miniature ultrasonic weather station is a fully digital detection, high-precision sensor, which is integrated by the principle of ultrasonic wind speed and direction sensor, high-precision digital temperature, humidity, pressure sensor, can accurately and quickly detect wind speed, wind direction, atmospheric temperature, atmospheric humidity and Atmospheric pressure, built-in signal processing unit can output corresponding signals according to user needs, high-strength structure design can work reliably in harsh climate environment, can be widely used in meteorology, ocean, environment, airport, port, laboratory, industry, agriculture and transportation, etc.

## FEATURES

- High accuracy,fast response
- Easy to install, all-weather measurement
- RS485 output
- High-strength structural design



## APPLICATIONS

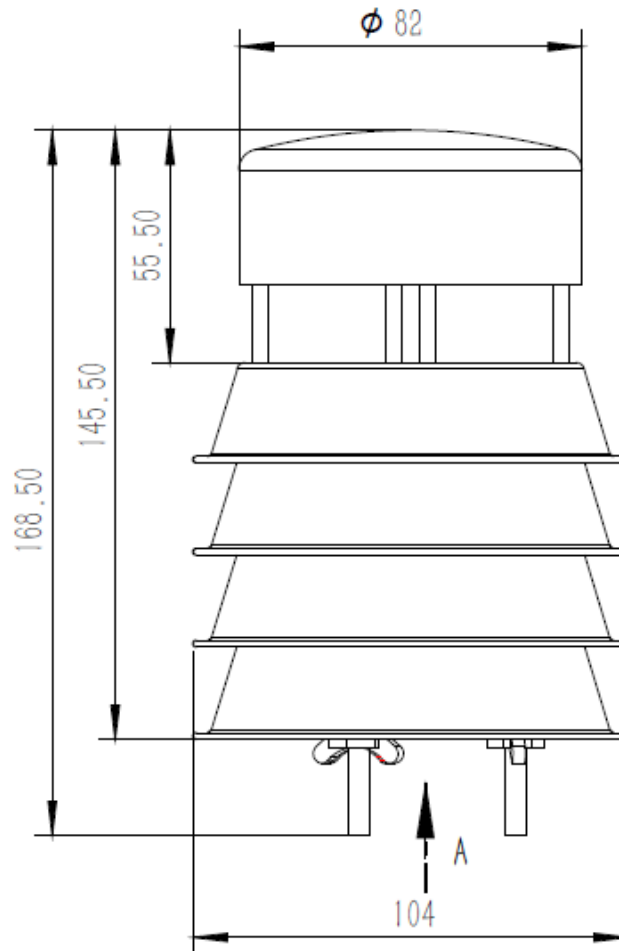
- Unattended meteorological monitoring system
- Mobile meteorological monitoring system
- Electric power safety monitoring
- Solar or wind power generation
- Port and navigation of the ship
- Scenic region
- Meteorological science research

## TECHNICAL SPECIFICATION

Measure item	Principle	Range	Resolution	Accuracy
Wind speed	Ultrasonic	0-40m/s	0.01m/s	±0.5+2%FS
Wind direction	Ultrasonic	0-359°	1°	±3°
Atmospheric temperature	MEMS	-40+100℃	0.1℃	±0.5℃
Atmospheric humidity	MEMS	0-100%RH	0.1%RH	±3%
Atmospheric pressure	MEMS	10-1100hPa	0.1hpa	±1.5hPa
Supply	12VDC			
Output	RS485			
Communication Protocol	Modbus-rtu			
Power consumption	0.6W			
Operating temperature	-40+80℃			
IP Rating	IP65			
Main material	ABS+ Aluminum alloy			

**DIMENSION**

Unit:mm



Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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