

MODEL

KW-360_MINI

Ultrasonic Anemometer

Wind speed and direction, humidity,
temperature, pressure



Ultrasonic Anemometer is designed to simultaneously measure the 2-dimensional horizontal components of the wind speed and direction based on principle of TOF (*time of flight*) of ultrasonic sound wave. Low power chip make its power consumption low to 0.2W. By using ABS shell allows a lighter weight and robust structure.

Our anemometer was made in molded thermoplastic, also known as ASA, which has high outdoor weather ability. ASA is extremely resistant against UV radiation from the sun, is frost and heat resistant, and standing all climatically conditions. The product is widely used in the automotive industry as well as several other outdoor applications.

KEY FEATURES

- Low to 0.1W consumption
- Anti-corrosion
- Sensitive and prompt response
- No need to re-calibrate
- No moving or wearing parts
- No inertia problem
- Easy installation
- No dead band 0-359°

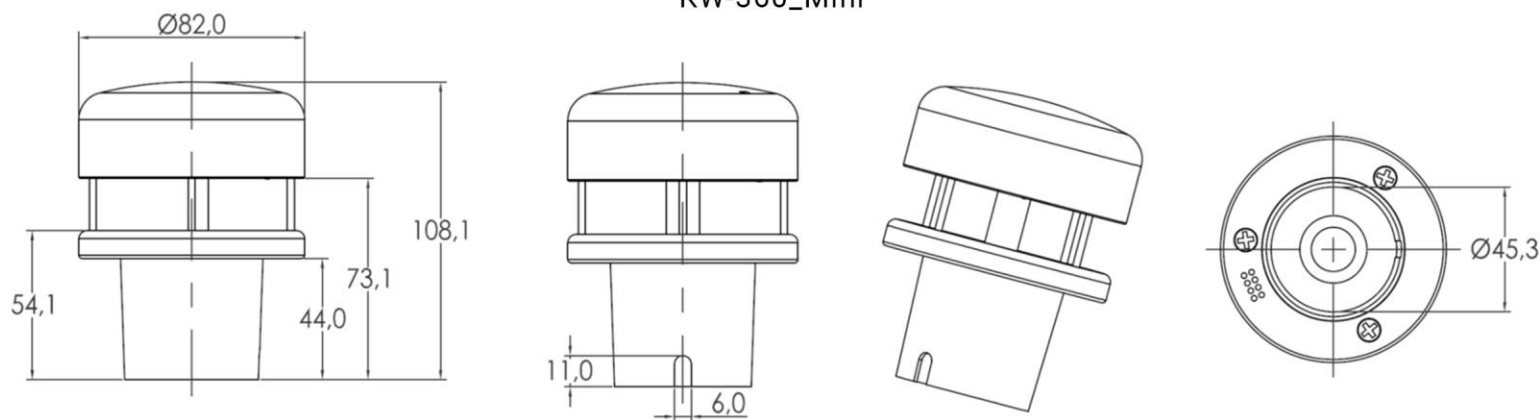


SPECIFICATIONS

Parameters	Measure Range	Accuracy	Resolution
Wind Speed	0-40m/s(77 knots)	±5%	0.1m/s(0.2 knots)
Wind Direction	0-359°	±3°	1°
Temperature	-40°C ~ +80°C	±0.5°C	0.1°C
Humidity	0 ~ 100%	±5%	1
Air Pressure	150 ~ 1100hPa	±1hPa	0.1hPa
Threshold of wind speed	0.1m/s		
Output rate	1 data per second		
Output sentences	\$MWV, \$XDR and \$MDA		
Output baudrate	4800-n-8-1 as default (selectable among 2400, 9600, 19200, 38400 115200 by supplied PC software)		
Output interface	RS485 as default (can be set to RS232 by supplied PC software)		
Power supply	5-30VDC, 20mA@5VDC		
Start up time	< 5 seconds		
Protection Class	IP65		
Weight	0.4 lb/0.2 kg (not including mounting and cable)		
Operating Temperature	-40°C to +60°C		
Storage Temperature	-50°C to +80°C		

DIMENSIONS

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Mounting

