

## Economic Wind Speed Sensor



### Discription

AST710 Economic wind speed sensor uses a sensitive 3-cup anemometer designed to measure wind speed and wind run. The cups are made of polycarbonate 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 cost
- Low starting threshold
- Overall polycarbonate material
- Strong corrosion resistant ability
- Light structure
- Various output signals optional
- Easy Installation

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## Application:

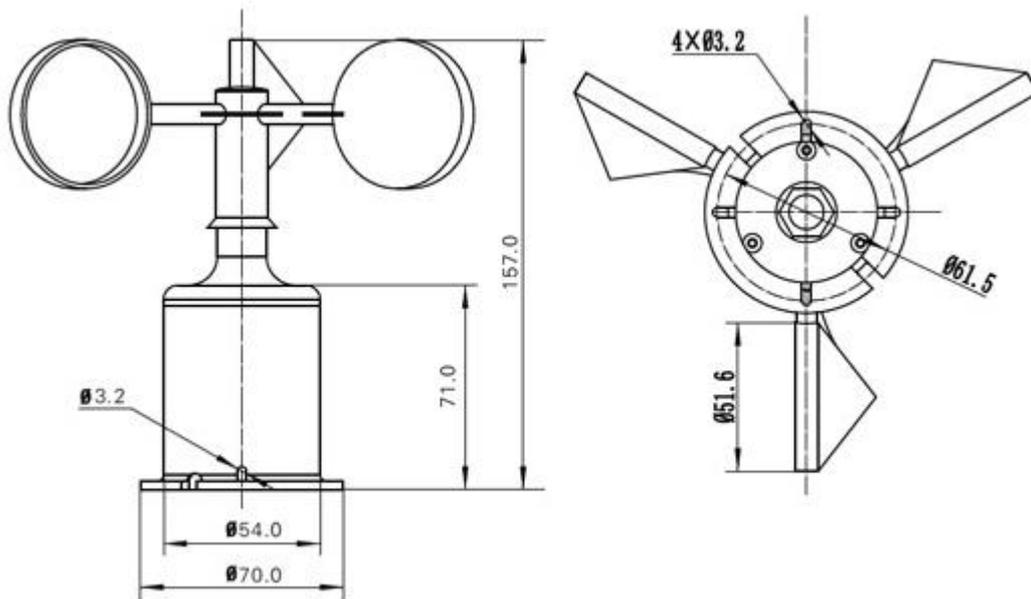
- Weather monitoring stations
- Safety monitoring of high altitude equipment
- Ports
- Mobile weather monitoring vehicles
- Marine vessels
- Remote airports & helipads
- Road & rail tunnels

## Specification:

Output	Pulses	4-20mA	0-5V	RS485
Supply Voltage	5V,12V-24V	5V,12V-24V	5V,12V-24V	5V,12V-24V
Load Capacity	>1k $\Omega$	<500 $\Omega$ (typ 250 $\Omega$ )	>1k $\Omega$	
Range	0-50m/s	0-50m/s	0-50m/s	0-50m/s
Accuracy	$\pm(0.3+0.03V)$ m/s; (V is the current wind speed)			
Starting Threshold	<0.5m/s			
Limit wind speed	55m/s			
Ingress Protection	IP65			
Operating Temperature	-40 $^{\circ}$ C~ +85 $^{\circ}$ C			
Cable Grade	Nominal voltage:300V, Temperature grade:80 $^{\circ}$ C			
Weight(unpacked)	170g			
Dimension	Cup rotor: $\phi$ 179mm, Height:160mm			
Main material	polycarbonate			
Storage Condition	10 $^{\circ}$ C-50 $^{\circ}$ C @20%-90%RH			

## Dimension:

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