

Anemometer (WAM-1)

Application

- Weather monitoring station
- Industrial application
- Disaster management
- Environmental monitoring
- Climate research
- Precision / Smart agriculture
- HVAC



WAM-1, uses a three cup anemometer for high accuracy, sensitivity and durability. The cups are connected to a shaft which turns a sensing element that converts the rotation into a series of electronic pulses.

A light weight vane provides the motive power for the wind direction sensor. As a vane tails moves it turns a shaft on a pair of bearings. Shaft turns a sensing element that converts the rotation into analog voltage.

Specifications

- Resolution
 - Speed 0.1 m/s
 - Direction 1 Deg.
- Range
 - Speed 0 to 60 m/s
 - Direction 0 to 359 Deg.
- Accuracy
 - Speed ± 0.5 m/s
 - Direction ± 5 Deg.
- Threshold speed 0.5 m/s
- Sustainability up to 75 m/s
- Response Time under 2 sec, speed and direction

Interface

- wind speed through pulse output
- wind direction, potentiometer