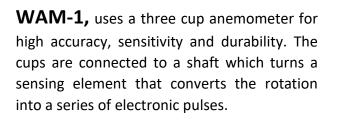
# Anemometer (WAM-1)

# Application

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



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
    - $\circ$  ~ Speed 0 to 60 m/s ~
    - $\circ$  ~ 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

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