The 034B Wind Sensor combines wind speed and direction measurements in a single sensing unit. It installs in minutes and provides accurate, long-term, continuous monitoring in hostile environments. The sensor uses a quick-connect sensor cable which may extend hundreds of feet without affecting measurement performance.

Available with 0 – 1 or 0 – 5 VDC output

**Features**
- Compact design for minimum visual Impact
- Long field life
- Durable aluminum and stainless steel construction
- Low starting threshold
- Very low power operation
- Easy maintenance and re-alignment
- Sealed magnetic reed switch for wind speed measurement
- Aluminum direction vane coupled to a precision potentiometer
- Digital or analog measurement ability

**Specifications**

**Wind Speed**
- Range: 0-167 mph (0 - 75 m/s)
- Starting Threshold: 0.9 mph (0.4 m/s)
  - Accuracy < 22.7 mph: .25 mph (0.1 m/s)
  - Accuracy > 22.7 mph: ±1.1% of true

**Wind Direction**
- Range: Mechanical: 0° - 360°
  - Electrical: 0-356°
- Starting Threshold: 0.9 mph (0.4 m/s)
- Accuracy: ±4°
- Damping Ratio: .25 standard (.4 to .6 optional)
- Resolution: < 0.5°

**Temperature Range**
- -30°C to +70°C (-22°F to +158°F)
  - Minimal icing conditions

**Output Signal**
- Wind Speed: Pulsed contact closure
- Wind Direction: Potentiometer output (0 - 10K ohms)
- Voltage w/Optional 534 Module: 0 – 1 or 0 – 5 VDC

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034B Wind Sensor

Specifications

Physical Characteristics
Sensor Weight: 1 lb 12.5 oz (0.81 kg)
Finish: Clear Anodized aluminum
Ingress Protection: IP54

Cable & Mounting
PN 3013 Cable Assembly; specify length in feet or meters
Mounting: PN 2954 Mounting & Alignment Adapter

Mounting with the alignment adapter (PN 2954) maintains alignment even if the sensor is removed for maintenance. The alignment adapter mounts the 0348 t01-diameter tubing or pipe. PN 7156 is a horizontal sensor mounting arm. Contact factory for special mounting applications.

Specifications are subject to change at any time.

Technical Drawing

![Technical Drawing of 034B Wind Sensor](image)

034B Wind Sensor

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