

# 034B Wind Sensor

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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



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## 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
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### 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

## Continued

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## Specifications

### Physical Characteristics

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

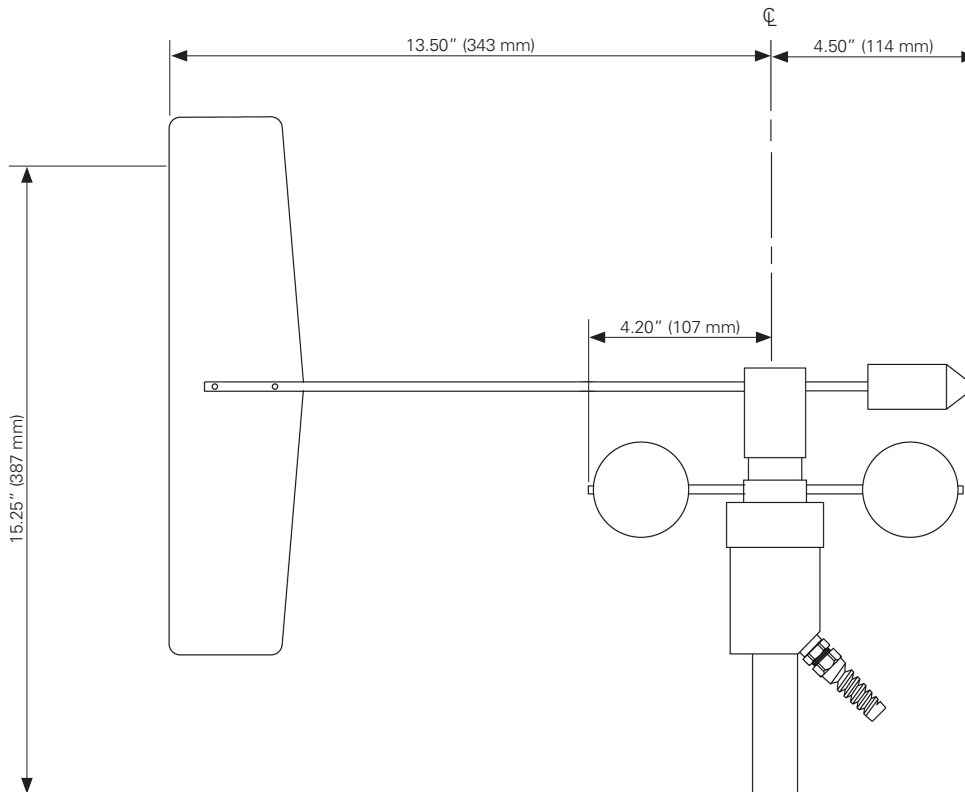
### Cable & Mounting

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



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