

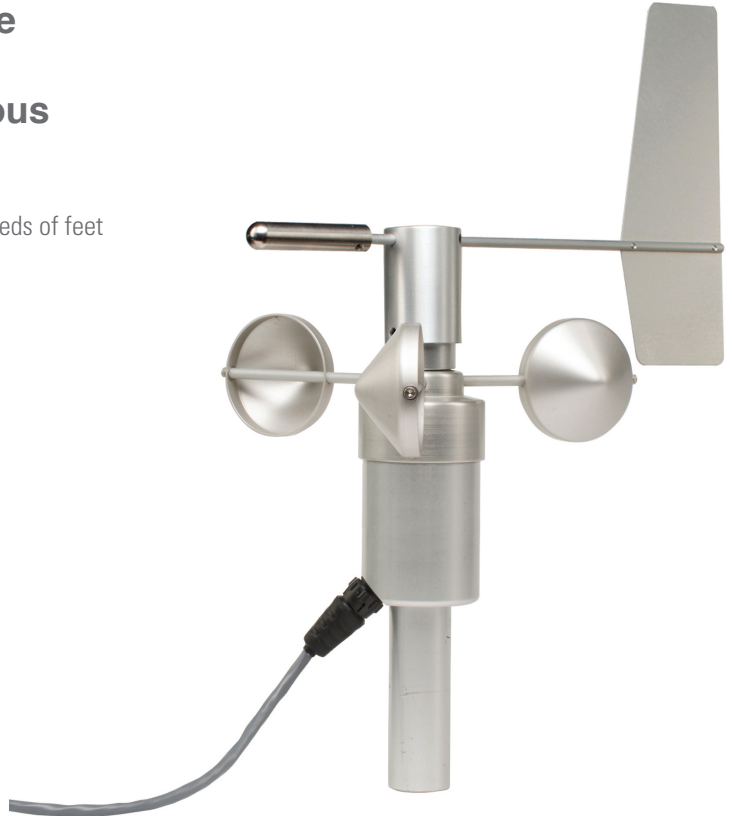
034B Wind Sensor

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.

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



Applications

- Ambient Monitoring
- Environmental Surveys
- Fence line Monitoring

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

Minimal icing conditions	-30°C to +70°C (-22°F to +158°F)
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Output Signal

Wind Speed:	Pulsed contact closure
Wind Direction:	Potentiometer output (0 – 10 K ohms)

Physical Characteristics

Sensor Weight:	1 lb 12.5 oz (0.81 kg)
Finish:	Clear anodized aluminum

Cable & Mounting

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

Mounting with the alignment adapter (P/N 2954) maintains alignment even if the sensor is removed for maintenance. The alignment adapter mounts the 034B to 1" diameter tubing or pipe. P/N 7156 is a horizontal sensor mounting arm. Contact factory for special mounting applications.

Specifications are subject to change at any time.