



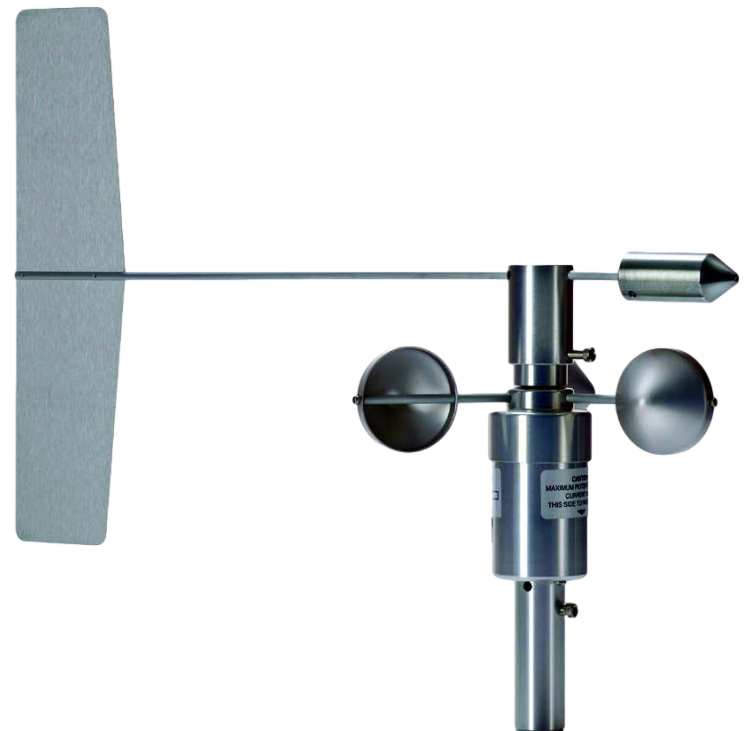
034E Wind Sensor

The 034E 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



SPECIFICATIONS

034E Wind Sensor

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: | ±1.0% of true |

Wind Direction

| | |
|---------------------|----------------------------------|
| Range: | Mechanical: 0° - 360° |
| Electrical: | 0 - 356° |
| Starting Threshold: | 0.9 mph (0.4 m/s) |
| Accuracy: | ±3° |
| 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) |
|--------------------------|----------------------------------|

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 034E 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.