DORGEAN
Beijing Dorgean Electronic Technology Co.,Ltd

Instrument Expert
**Original factory packaging**
www.dorgean.com

Met One Instruments

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
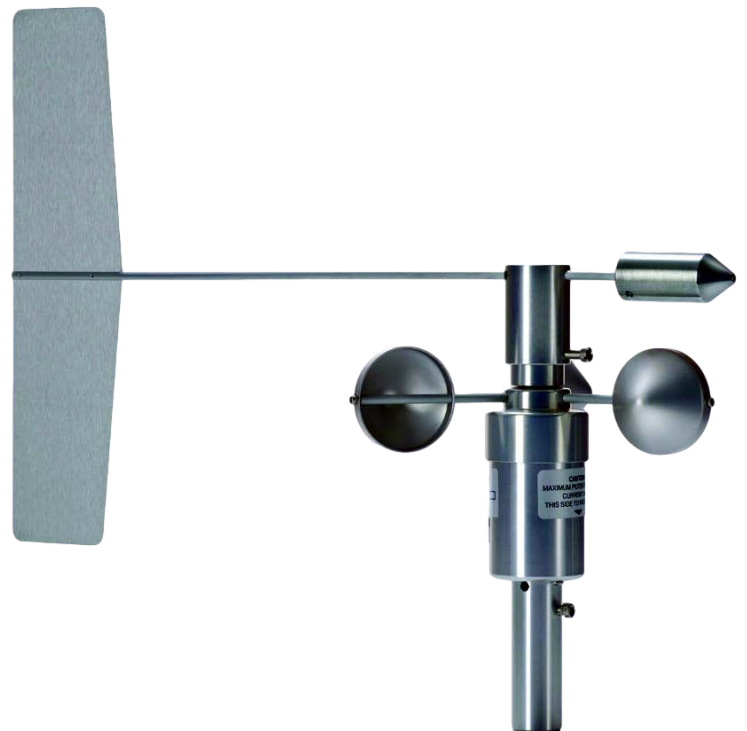
Applications

- Ambient Monitoring
- Environmental Surveys
- Fence line Monitoring

Instrument Expert
Original factory packaging
www.dorgean.com

SPECIFICATIONS

034E Wind Sensor

Nov 2020

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 to1˝ 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.

Met One Instruments, Inc.