

014A Wind Speed Sensor

024A Wind Direction Sensor

The **014A Wind Speed Sensor** and **024A Wind Direction Sensor** are accurate, durable, and economical instruments, suitable for a wide range of wind study applications where individual sensors are desired. They are designed for long-term unattended operation in most environments.

The sensors each use a quick-connect sensor cable which can extend hundreds of feet without affecting measurement performance.

Features of both instruments

- Low starting threshold
- Corrosion resistant stainless steel and aluminum construction
- Sealed magnetic reed switch for maximum reliability
- Digital or analog measurement ability
- Aluminum or Lexan cups available

Features specific to the 024A Direction Sensor

- Precision wire-wound potentiometer
- Built-in alignment and calibration fixture



Specifications

014A Wind Speed Sensor

Performance Characteristics

Range:	0-135mph (0-60m/s)
Starting Threshold:	1.0 mph (0.45 m/s)
Accuracy:	±0.25 mph (± 0.11 m/s) or 1.5% FS
Distance Constant Standard:	Less than 15 ft (4.5 m) -Metal Cup
Operating Range:	-50°C to +70°C (-58°F to +158°F)
Contact Rating:	10 mA maximum

Physical Characteristics

Weight:	11 oz (.31 kg)
Finish:	Clear anodized aluminum
Ingress Protection:	IP54

Cable & Mounting

PN 1805	Cable Assembly; specify length in feet or meters
Mounting:	PN 191 Crossarm Assembly

Alternate Wind Speed Sensor

014A-1 Fast Response Model:	Less than 5 ft. (1.5 m) -Lexan cup (meets EPA specifications)
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014A Wind Speed Sensor

024A Wind Direction Sensor

Specifications

024A Wind Direction Sensor

Performance Characteristics

Range:	0° -360°
Starting Threshold:	1.0 mph (0.45 m/s)
Accuracy:	±5°
Delay Distance:	Less than 5 ft (1.5 m)
Damping Ratio:	0.25 (aluminum vane)
Potentiometer	MIL-PRF-39023
Electrical Range:	0° -360°
Operating Range:	-50°C to +70°C (-58°F to +158°F)

Physical Characteristics

Weight:	1 lb 2 oz (.45 kg)
Finish:	Clear anodized aluminum
Ingress Protection	IP54

Cable & Mounting

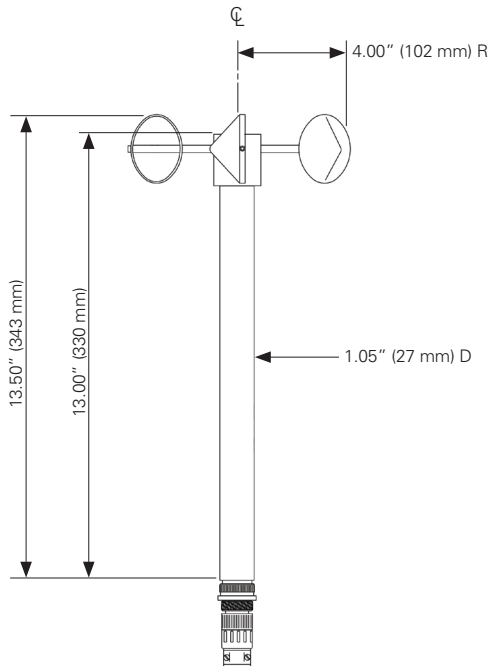
PN 1806	Cable Assembly; specify length in feet or meters
Mounting:	PN 191 Crossarm Assembly (contains orientation lock)

Alternate Wind Direction Sensor

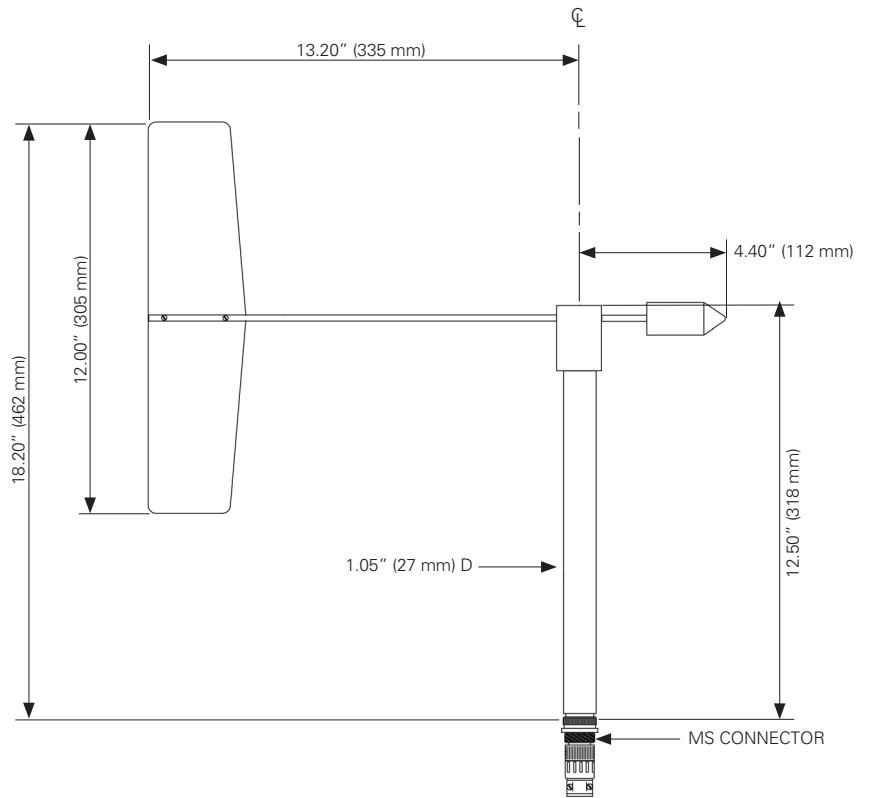
Damping Ratio:	0.4 (magnesium vane) (meets EPA specifications)
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Specifications are subject to change at any time.

Technical Drawings



014A Wind Speed Sensor



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