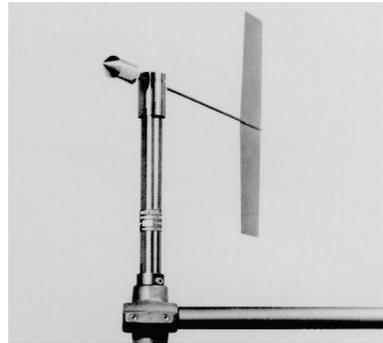


014A Wind Speed Sensor 024A Wind Direction Sensor

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. They are designed for long term unattended operation in most environments.

The sensors use a quick-connect sensor cable which may extend hundreds of feet without affecting measurement performance. The potentiometer meets stringent military specifications for sand, dust, salt spray and fungus resistance.



024C Wind Direction Sensor

Features

014A Wind Speed Sensor

- 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

024A Wind Direction Sensor

- Precision wire-wound potentiometer
- Built-in alignment and calibration fixture
- Digital or analog measurement ability
- Aluminum or Lexan cups available



014A Wind Speed Sensor

Applications

- Ambient Air Monitoring
- Environmental Surveys
- Government Networks

Specifications

014A Wind Speed Sensor

PERFORMANCE CHARACTERISTICS

Range:	0 - 100 mph (45 m/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

014A Wind Speed Sensor (continued)

CABLE & MOUNTING

P/N 1805	Cable Assembly; specify length in feet or meters
Mounting:	P/N 191 Crossarm Assembly

ALTERNATE WIND SPEED SENSOR

014A-1 Fast Response Model:	
Distance Constant:	Less than 5 ft. (1.5 m) – Lexan cup (meets EPA specifications)

024A Wind Direction Sensor

PERFORMANCE CHARACTERISTICS

Range:	0° - 360°
Starting Threshold: Accuracy:	1.0 mph (0.45 m/s)
Delay Distance:	±5°
Damping Ratio:	Less than 5 ft (1.5 m)
Potentiometer	0.25 (aluminum vane)

Sand, dust, fungus:	MIL-E-5272
Salt spray:	MIL-E-12934
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

CABLE & MOUNTING

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

ALTERNATE WIND DIRECTION SENSOR

024A-1 Fast Response Model:	
Damping Ratio:	0.4 (magnesium vane) (meets EPA specifications)

Specifications are subject to change at any time.