



**Met One
Instruments**

013 Wind Speed Sensor

023 Wind Direction Sensor

Specialized Wind Sensors

The 013 Wind Speed Sensor and 023 Wind Direction Sensor have been specifically designed to accurately and reliably measure wind velocity and direction under the most adverse environmental conditions. They are particularly useful in remote, unattended monitoring applications where they are likely to encounter high winds and/or heavy icing conditions. Only the best corrosion resistant material, such as stainless steel and anodized aluminum, are used in their production.

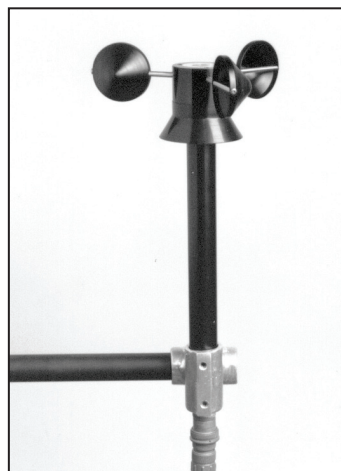
FEATURES

013 Wind Speed Sensor

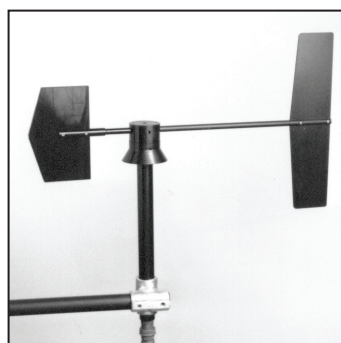
- Low starting threshold
- Stainless steel ball bearings for greatest accuracy and operating life
- Built-in ice skirt allowing operation with a 2" (5.1 cm) ice load
- Robust aluminum cup assembly
- Sealed magnetic reed switch

023 Wind Direction Sensor

- Low starting threshold of 1.5 mph (.67 m/s)
- Unique "Mechanical Average System" reduces sensor wear
- Built-in alignment and calibration fixture
- Built-in ice skirt allowing operation with a 2" (5.1 cm) ice load
- Slotted shaft coupler for increased sensor life



013 Wind Speed Sensor



023 Wind Direction Sensor

SPECIFICATIONS

013 Wind Speed Sensor

PERFORMANCE CHARACTERISTICS

Range:	0 - 150 mph (67 m/s)
Starting Threshold:	1.0 mph (0.45 m/s)
Accuracy:	±0.25 mph (0.11 m/s) or 2%
Distance Constant:	Less than 15 ft (4.5 m)
Operating Range:	-50°C to +70°C (-58°F to +158°F)
Contact Rating:	10 mA maximum

**Met One
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013 Wind Speed Sensor

023 Wind Direction Sensor

SPECIFICATIONS

013 Wind Speed Sensor (continued)

PHYSICAL CHARACTERISTICS

Weight: 14 oz (.4 kg)
Finish: Black anodized aluminum

CABLE & MOUNTING

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

023 Wind Direction Sensor

PERFORMANCE CHARACTERISTICS

Electrical Range: 0° - 360°
Maximum Wind Speed: 150 mph (67 m/s)
Accuracy: ±10° standard
Optional ±5° order PN 023-0DEG
Delay Distance: 15 ft (4.5m)
Damping Ratio: .3
Potentiometer Specifications
 Sand, dust, fungus: MIL-E-5272
 Salt spray: MIL-E-12934
Resistance Value: 10 K ohms
Operating Range: -50°C to +70°C (-58°F to +158°F)

PHYSICAL CHARACTERISTICS

Weight: 1.5 lbs (.68 kg)
Finish: Black anodized aluminum

CABLE & MOUNTING

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

Specifications are subject to change at any time.

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