

Wind Speed Sensor

Model 014A*

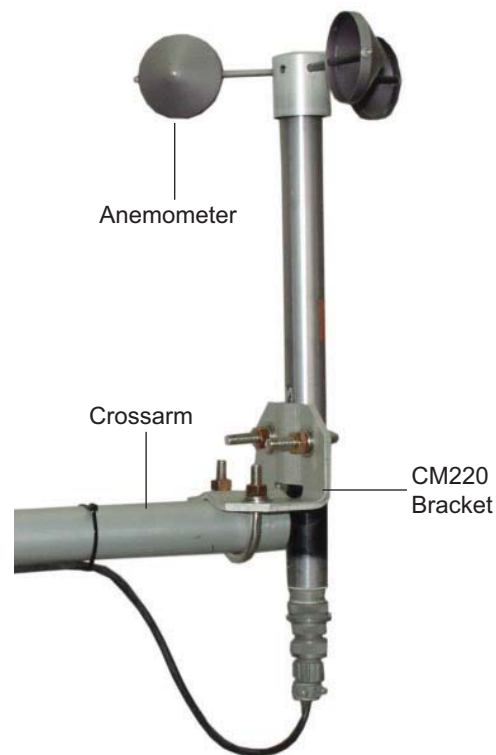
Met One's 014A Wind Speed Sensor is an accurate and durable 0 to 100 mph anemometer with a threshold of 1.0 mph. The sensor is a continuous-duty measurement tool designed for long-term unattended operation in adverse environments. A sealed magnetic reed switch produces a series of contact closures at a rate proportional to wind speed. An aluminum cup assembly with a distance constant of less than 15 feet is normally supplied. For greater sensitivity, an optional LEXAN cup assembly has a distance constant of less than 5 feet.

Construction and Mounting

The 014A is constructed of corrosion-resistant, stainless steel and anodized aluminum. The 014A can be attached to a CM202, CM204, or CM206 crossarm via a 1049 NU-RAIL fitting or CM220 Right Angle Mounting Bracket. Alternately, the 014A can be attached to the top of our stainless-steel tripods via the CM216 Sensor Mounting Kit.

Ordering Information

- 014A-L 014A Wind Sensor with user-specified lead length. Enter lead length in feet after L. For example, 014A-L13 orders a sensor with an 13' lead length.
- 1049 $\frac{3}{4}$ " x 1" NU-RAIL Fitting for attaching the 014A to a crossarm, such as a CM202, CM204, or CM206.
- CM220 Right Angle Mounting Bracket for attaching the 014A to a crossarm, such as a CM202, CM204, or CM206.
- CM216 Sensor Mounting Kit for attaching sensor to the top of a CM110, CM115, or CM120 tripod.



Recommended Lead Lengths

These lead lengths assume the sensor is mounted atop the tripod/tower via a CM202 crossarm.

CM6	CM10	CM110	CM115	CM120	UT10	UT20	UT30
10'	13'	13'	19'	24'	13'	24'	34'

Specifications

- Range: 0 to 100 mph (0 to 45 m/s)
- Starting Threshold: 1.0 mph (0.45 m/s)
- Accuracy: 0.25 mph (0.11 m/s) or 1.5%
- Distance Constant
 - Standard: Less than 15 feet (4.5 m)
 - Optional Fast Response: Less than 5 feet (1.5 m)
- Contact Rating: 10 mA maximum
- Temperature Operating Range: -50°C to +70°C
- Sensor Cable: Quick-connect connector with vinyl jacketed, shielded cable.
- Weight (Shipping): 14 ounces (3 lbs)

*The 014A is manufactured by Met One Instruments (Grants Pass, OR) but is cabled by Campbell Scientific for use with our dataloggers.