

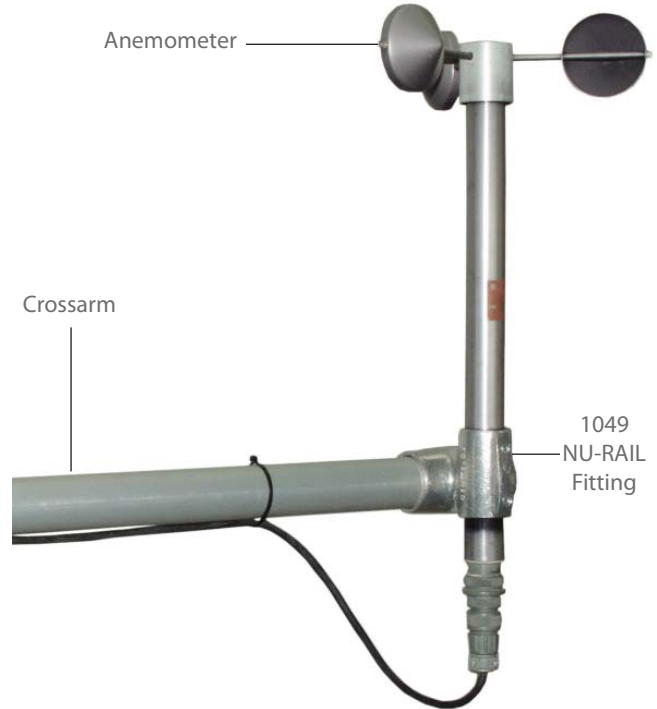
014A

Met One Wind Speed Sensor

The 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 ft is normally supplied. For greater sensitivity, an optional LEXAN cup assembly has a distance constant of less than 5 ft.

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. Alternatively, the 014A can be attached to the top of our stainless-steel tripods via the CM216 Sensor Mounting Kit.



Ordering Information

Wind Speed Sensor

014A-L Met One Wind Sensor with user-specified cable length. Enter cable length, in feet, after the -L. Must choose a cable termination option (see below).

Cable Termination Options (choose one)

- PT** Cable terminates in stripped and tinned leads for direct connection to a datalogger's terminals.
- PW** Cable terminates in connector for attachment to a prewired enclosure.

Mounts

- 1049** ¾-in. x 1-in. 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.

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:	<15 ft (4.5 m)
Optional Fast Response:	<5 ft (1.5 m)
Contact Rating:	10 mA maximum
Temperature Range:	-50° to +70°C
Sensor Cable:	Quick-connect connector with vinyl jacketed, shielded cable
Dimensions	
Radius:	4.1 in. (10.4 cm)
Height:	13.7 in. (34.8 cm)
Weight	
Sensor:	11 oz (318 g)
Cable:	5 oz (140 g) per 10-ft length

Recommended Cable Lengths

CM6	CM106	CM10	CM110	CM115	CM120	UT10	UT20	UT30
10 ft	13 ft	13 ft	13 ft	19 ft	24 ft	13 ft	24 ft	34 ft

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

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

