

Wind Speed Sensor

Met One's 014A*

The Model 014A Wind Speed Sensor is an accurate and durable 0-100 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 is attached to the 019ALU Crossarm with a 0.75 inch diameter connector (supplied with the 019ALU).

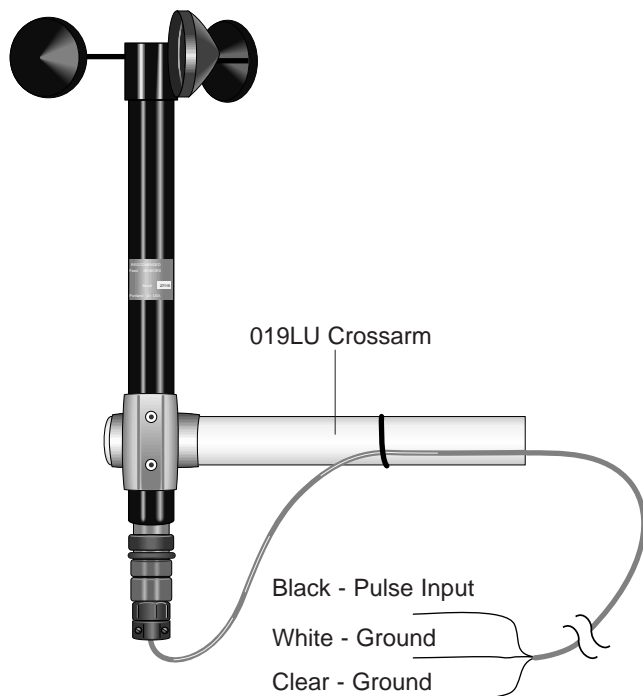
Ordering Information

014A 11' lead length for CM6/CM10 (6' and 10') tripods
014A-U 34' lead length for UT930 10 m tower
014A-L__ User-specified lead length. Enter lead length (in feet) after L.

Specifications

- Range: 0-100 mph (0-45 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 Model 014A is manufactured by Met One Instruments (Grants Pass, OR) but is cabled by Campbell Scientific for use with our dataloggers.



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Printed Aug. 1995