



# Reliable, Accurate Wind Direction

Compatible with most Campbell Scientific data loggers

## Overview

The 024A, manufactured by Met One, is a wind vane that measures wind direction only. You can use it in tandem with the 014A Wind Speed Sensor; however, this combination has

been largely replaced by the 034B, which monitors both wind speed and wind direction.

## Detailed Description

The 024A Wind Vane measures wind direction from 0 to 360 degrees with a 5 degree accuracy specification. Wind direction is sensed with a 10 kohm potentiometer. With the precision excitation voltage from the data logger applied to the

potentiometer element, the output signal is an analog voltage that is directly proportional to the azimuth of the wind direction.

## Specifications

Sensor	Vane
Measurement Description	Wind direction
Operating Range	0 to 360°
Threshold	0.45 m s <sup>-1</sup> (1.0 mph)
Accuracy	±5°
Operating Temperature Range	-50° to +70°C (assumes non-riming conditions)
Delay Distance	< 1.5 m (5 ft)
Damping Ratio	<ul style="list-style-type: none"> <li>› 0.4 (optional fast response)</li> <li>› 0.25 (standard)</li> </ul>

Resolution	0.5°
Height	33.8 cm (13.3 in.)
Length	44.7 cm (17.6 in.)
Vane Height	30.5 cm (12 in.)
Vane Width	7.6 cm (3 in.)
Weight	450 g (1 lb)
<b>Potentiometer</b>	
Sand, Dust, and Fungus	MIL-E-5272
Salt Spray	MIL-E-12934
Resistance	0 to 10 kΩ

For comprehensive details, visit: [www.campbellsci.com/024a-l](http://www.campbellsci.com/024a-l) 