



## Overview

NRG's #40C is a MEASNET-calibrated anemometer primarily intended for wind prospecting applications. A four-pole magnet induces a sine wave voltage into a coil producing an output signal with frequency proportional to wind speed. This

signal is measured by our data loggers. The #40C is constructed of Lexan. A rubber terminal boot is included. In February 2008, the #40C replaced the #40 anemometer.

## Specifications

Measurement Description	Wind speed
Signal Type/Output	Low-level ac sine wave (pulse)
Operating Temperature Range	-55° to +60°C
Operating Relative Humidity	0 to 100% RH
Starting Threshold	0.78 m/s (1.75 mph)

Range	1 to 96 m s <sup>-1</sup>
Cup Distance Constant	3.0 m (10 ft) 63% recovery
Cup Diameter	5.1 cm (2 in.)
Swept Diameter of Rotor	19.0 cm (7.5 in.)
Overall Assembly Height	5.1 cm (3.2 in.)
Weight	0.1 kg (0.2 lb)

For comprehensive details, visit: [www.campbellsci.com/nrg40c](http://www.campbellsci.com/nrg40c) 