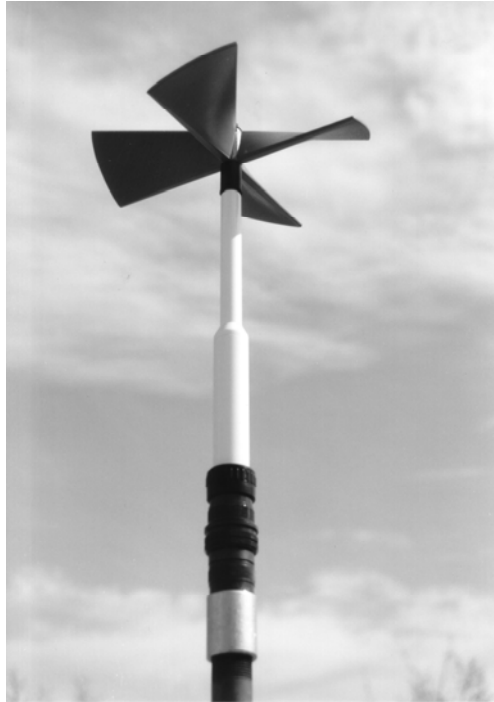


Vertical Anemometer RM Young 27106-T

FEATURES

- Allows measurement of vertical component of wind speed
- 0 – 2.5 Volts DC output



The vertical anemometer is designed to give an increasing signal for updraft winds. Since the anemometer signal reads both positive and negative wind speeds, zero wind speed corresponds to the mid-range of the signal measured by the NRG Symphonie logger. A propeller anemometer SCM #3745 is required for proper signal conditioning by the Symphonie logger, and the 27106-T connects to the Symphonie's wiring panel with a shielded 2-conductor cable.

SPECIFICATIONS

Description	Sensor type	propeller anemometer
	Applications	measuring vertical component of wind velocity
	Sensor range	0.5 m/s (1.1 mph) to 40 m/s (89 mph)
	Instrument compatibility	NRG Symphonie logger (with vertical anemometer SCM)
Output signal	Signal type	millivolt voltage
	Transfer function	$m/s = 0.01800 \times mV$
	Accuracy	+/- 1%
	Recommended load resistance	>10 k Ohms
	Output signal range	+/- 2250 mV
Response characteristics	Swept diameter of rotor	200 mm (7.9 inches)
Installation	Mounting	<ul style="list-style-type: none"> • connector threads onto 3/4 inch pipe size mast • sensor mounts to threaded connector
Physical	Connections	<ul style="list-style-type: none"> • cable solders to connector • sensor plugs into threaded connector

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110 Riggs Road • Hinesburg • VT 05461 USA • TEL (802) 482-2255 • FAX (802) 482-2272 • EMAIL sales@nrgsystems.com