

# AN100 Portable Wind Speed Meter

Portable wind speed meter for high accuracy wind speed measurements.



- CFM/CMM Thermo- Anemometer
- Simultaneous display of wind speed plus ambient temperature
- Easy to set Area dimensions (cm<sup>2</sup>) are stored in the meter's internal memory for the next power on
- 20 point average
- 3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable

## Description

The AN100 Portable Wind Meter is a reliable and accurate instrument for measuring both wind speed and temperature. The portable wind meter has a 20 point average function for air flow and a Max/Min record. The portable wind speed meter offers a data hold and automatic power off. The super large LCD screen displays both wind speed and temperature simultaneously. Portable wind speed meters obtain a 3% wind speed accuracy reading via a 2.83" diameter low friction ball bearing impeller. The portable wind meter has accurate temperature measurements to 4 °F (2 °C).

## Specifications

### Wind Speed:

*km/h:* Range: 1.4 - 108.0km/h, Resolution: 0.1km/h, Accuracy: ±3  
*mph:* Rng: 0.9 - 67.0 mph, Res: 0.1 mph, Acc.: ±3%

### Air Flow:

*CMM (cubic meters/min):* Range: 0 - 9999 m<sup>3</sup>/min, Resolution: 1 m<sup>3</sup>/min, Area: 0 to 9.999 m<sup>2</sup>

*CFM (cubic feet/min):* Range: 0 - 9999 ft<sup>3</sup>/min, Resolution: 1 ft<sup>3</sup>/min, Area: 0 to 9.999 ft<sup>2</sup>

*Temperature:* Rng: 14°F to 140°F (-10°C to 60°C), Res: 0.1°F (0.1°C), Acc: ±4°F (2°C)

*Circuit description:* Custom LSI microprocessor design

*Display:* Dual function 0.5" (13 mm) 4-digit LCD

*Measurement units:* m/s, km/h, ft/min, knots, mph, Air Flow (CMM or CFM), and Temperature (°C or °F)

*Data hold:* Freezes reading on the display

### Sensor Structure:

*Air velocity sensor:* Conventional angled vane arm with low friction ball-bearing

*Temperature sensor:* NTC-type precision thermistor

*Memory Recall:* Record/Recall Maximum, Minimum, and Average readings

*Auto Power off:* After 20 minutes

*Operating Temperature:* 32 to 122°F (0 to 50°C)

*Operating Humidity:* Max. 80% RH

*Operating Altitude:* 7000ft (2000 m) Max.

*Storage Temperature:* 14 to 140°F (-10 to 60°C)

*Storage Humidity:* Max. 80% RH

*Power Supply:* 9V battery

*Power Consumption:* Approx. 8.3mA DC

*Weight:* 1.6 lbs. (725g) including battery and probe

### Dimensions:

*Main instrument:* 7.0 x 2.9 x 1.2" (178 x 74 x 33mm)

*Sensor Head:* 2.75" (70 mm) diameter

*Certifications:* CE

## Options and Accessories

AN400 Portable Anemometer

In the U.S. call toll free  
 at 1-800-876-1172  
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