



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 (cm²) 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.: $\pm 3\%$

Air Flow:

CMM (cubic meters/min): Range: 0 - 9999 m³/min, Resolution: 1
m³/min, Area: 0 to 9.999 m²

CFM (cubic feet/min): Range: 0 - 9999 ft³/min, Resolution: 1 ft³/min,
Area: 0 to 9.999 ft²

Temperature: Rng: 14°F to 140°F (-10°C to 60°C), Res: 0.1°F (0.1°C),
Acc: $\pm 4^\circ\text{F}$ (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



Global Water
a xylem brand

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