

# AN400 Portable Anemometer

Water resistant portable air velocity meters.



- Dual LCD digital display of air velocity and temperature
- Wide air velocity range measures in m/s, ft/min, km/hr, and knots
- Water resistant housing
- Record MAX/MIN values
- Datalogger stores up to 100 readings
- CE compliant

## Description

The AN400, Portable Anemometers, measure air velocity in five units of measure: feet per minute (ft/min), meters per second (m/sec), miles per hour (MPH), kilometers per hour (km/hr), & nautical miles per hour (knots). The anemometer's low-friction cup vane freely rotates in response to air flow. An internal thermistor allows the AN400, to measure air temperature in Centigrade or Fahrenheit units. The portable anemometers are shipped fully tested and calibrated and with proper use will provide years of reliable service.

The AN400, has a built in datalogger that will store up to 100 air velocity or MIN/MAX readings. The anemometers also have a data hold feature for freezing the display. To conserve power the portable anemometers will automatically shutoff 10 minutes after the last key is pressed. The housing is water resistant to protect it from rainy environments. The portable anemometers use a cup vane arm to measure air velocity.

## Specifications

*mph:* Range: 1.6 to 78.2 mph, Resolution: 0.1 mph, Accuracy:  $\pm$  (2% + 0.4 mph)

*km/hr:* Rng: 2.5 to 126.0 km/h, Res: 0.1 km/h, Acc:  $\pm$  (2% + 0.8 km/hr)

*knots:* Rng: 1.4 to 68.0 knots, Res: 0.1 knots, Acc:  $\pm$  (2% + 0.4 knots)

*Temperature:* Rng: 32 to 122°F (0 to 50°C), Res: 0.1°F/C, Acc:  $\pm$ 1.5°F ( $\pm$  0.8°C)

*Display:* Dual LCD with low battery and multifunction indicators

*Sensors:*

- Cup vane arm with low-friction ball-bearing design
- Precision thermistor for temperature measurements

*Datalogger:* Manual store/recall of up to 100 data points

*Memory recall:* Record and recall maximum (MAX) and minimum (MIN) readings

*Data hold:* Freezes reading on the display

*Display:* Dual function 9999 count LCD

*Measurement units:* m/s, km/h, ft/min, knots, mph, temperature °F/°C

*Auto power off:* After 10 minutes

*Sample time:* 1 reading per second for air velocity and temperature

*Water-resistant:* IP65

*Operating conditions:* 32 to 122°F (0 to 50°C) / Max. 80% RH

*Power supply:* 4x1.5V AAA batteries (Approx. 150 hr life)

*Dimensions/Weight:*

*Portable Anemometer:* 7.5x1.6x1.3 inches (190x40x32 mm)/0.4 lbs (181 g)

*Anemometer Cup Vane:* 5.3 inches (135 mm) diameter

*Certifications:* CE

## Options and Accessories

**AN400** Portable Anemometer

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instrumentation  
needs:

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Control

## Regional Distributor



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