



45158 Handheld Anemometer

Water resistant pocket air velocity meter



- Display air velocity and either relative humidity, dew point, temperature or windchill
- Selectable averaging functions of 5 or 10 seconds
- Replaceable plastic anemometer
- Water resistant housing floats
- Data hold with automatic power off

Description

The Handheld Anemometer is reliable and accurate for measuring air velocity, temperature, and humidity. The handheld anemometer has a fold up protective housing for storage and extends to 9" for better reach. The instrument display's air velocity and either relative humidity, dew point, temperature or windchill. The user can select from the following air velocity measurement units: ft/min, MPH, m/s, km/h, Knots, and Beaufort Force. The handheld anemometer measures temperature and windchill from 0 to 122°F (-18 to 50°C).

The Handheld Anemometer has a data hold feature to freeze the most recent display. The air velocity meter also has an auto shutoff 20 minutes after the last key is pressed. The handheld anemometer's housing is water resistant, floats, and is drop tested from 6 feet. The handheld air velocity meter allows the user to select between 5 or 10 second averaging intervals. The anemometer uses a replaceable non-corrosive plastic impeller.

Specifications

mph (Miles per hour): Range: 1.1 to 62.5 mph, Resolution: 0.2 mph, Accuracy: $\pm (3\% + 0.4 \text{ mph})$
km/hr: Rng: 1.8 to 100.6km/h, Res: 0.7km/h, Acc: $\pm (3\% + 1.4 \text{ km/hr})$
Temperature: Rng: 0 to 122°F (-18 to 50°C), Res: 0.1°F/C, Acc: $\pm 1.8^\circ\text{F} (\pm 1^\circ\text{C})$
Relative Humidity: Rng: 10 to 95%, Res: 1%, Acc: $\pm 5\% \text{ RH}$
Dew Point: Rng: 32 to 122°F (0 to 50°C); Res: 0.1°F/C; Acc: $\pm 3.6^\circ\text{F} (2^\circ\text{C})$
Display: Dual LCD with low battery and multifunction indicators
Sensors: Sapphire bearing, non-corrosive vane for air velocity; Precision thermistor for temperature measurements
Average Mode: Choice of 5 or 10 reading averaging (2 second factory default)
Max and Data Hold Displays: Max recalls the highest reading; Data Hold freezes the display
Sample time: 1 reading per second for air velocity and temperature (1 reading per 15 seconds for humidity with 2 second updates)
Water-resistant: To 3' (1m)
Operating conditions: 5 to 122°F (-15 to 50°C) / $< 80\% \text{ RH}$
Power supply: Lithium battery (CR-2032 or equivalent)/400 hr life
Dimensions/Weight:
Instrument: 5.25 x 2.75 x 0.75" (133 x 70 x 19mm)
Anemometer: 1" (24mm) diameter / 3 oz. (95 g)

Options and Accessories

45158 Handheld Anemometer w/Temp + Humidity

45118 Handheld Anemometer w/Temp

45116 Spare Anemometer Assembly

409992 Small Handheld Anemometer Carrying Case

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