

Digital Anemometer Instruction Manual



1. Features

- (1) Wind speed measurement
- (2) Measuring unit options
- (3) Data hold
- (4) Max / Min / Avg / Cu measurment
- (5) LCD back light
- (6) Auto power off

2. Operations

- (1) Install 9V battery into battery compartment, LCD blink a full display for a second and enter current wind speed measuring.
- (2) Wind speed unit selection: Press UNIT button M/S indication blinks, press Δ button to select M/S , Ft/Min, Km/h, Knots, Mph for measuring unit, to confirm the desired unit by pressing UNIT again. (M/S defaulted)
- (3) Data hold: While in measuring, to hold the data by pressing HOLD button.
- (4) LCD back light: During measuring, press LED 3S to turn on the LCD back light, press again will turn off the back light.
- (5) Max/Min/Cu/Avg functions: When turn on and the vane spins, LCD display current wind speed. Press MAX/MIN/AVG/CU button to switch maximum, minimum, average, and current measurement. (Current wind speed defaulted)
 - MAX: Maximum wind speed measuring
 - MIN: Minimum wind speed measuring
 - AVG: Average wind speed measuring
 - CU: current wind speed measuring
- (6) Power off: Press ON/OFF button to turn off the unit.
- (7) The unit will automatic power off in 1 minutes.

3. Specification

- (1) Operation conditions:
Humidity: 40% to 85%
Temperature: -10°C to 50°C (-14°F to 122°F)
- (2) Storage conditions:

Humidity: 10% to 90%

Temperature: -20°C to 60°C (-4°F to 140°F)

(3) Measurement range

Unit	Range	Resolution	Threshold	Accuracy
M/s	0~45	0.1	0.3	$\pm 3\% \pm 0.1 \text{dpts}$
Ft/min	0~8800	19	60	$\pm 3\% \pm 10 \text{dpts}$
Knots	0~88	0.2	0.6	$\pm 3\% \pm 0.1 \text{dpts}$
Km/hr	0~140	0.3	1	$\pm 3\% \pm 0.1 \text{dpts}$
Mph	0~100	0.2	0.7	$\pm 3\% \pm 0.1 \text{dpts}$

(4) Power supply : 9V battery



4. Diagram description

- (1) LCD
- (2) ON/OFF button
- (3) Wind speed unit switch button
- (4) Wind speed unit select button
- (5) Data hold button
- (6) LCD back light button
- (7) Max/Min/Avg/Cu function button
- (8) Conection lead wire
- (9) Vane