

Digital Anemometer Instruction Manual



1. Features

- (1) Wind speed & temperature measurement
- (2) Wind speed & temperature measuring unit options
- (3) Data hold
- (4) Max / Min / Avg / Cu measurement
- (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 ▲ 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) Wind temperature unit option: Press °C/°F LED button select celsius / fahrenheit reading.
- (4) Data hold: While in measuring, to hold the data by pressing HOLD button.
- (5) LCD back light: During measuring, press °C/°F LED button for 2 seconds to turn on the LCD back light, press for 2 seconds 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) Wind temperature range

| Unit | Range | Resolution | Accuracy |
|------|-----------------|------------|----------|
| °C | 0.0°C~45.0°C | 0.2 | ±2°C |
| °F | 32.0 °F~113.0°F | 0.36 | ±3.6°F |

- (2) Wind speed measurement range

| Unit | Range | Resolution | Threshold | Accuracy |
|--------|--------|------------|-----------|-------------|
| M/s | 0~45 | 0.1 | 0.3 | ±3%±0.1dgts |
| Ft/min | 0~8800 | 19 | 60 | ±3%±10dgts |
| Knots | 0~88 | 0.2 | 0.6 | ±3%±0.1dgts |
| Km/hr | 0~140 | 0.3 | 1 | ±3%±0.1dgts |
| Mph | 0~100 | 0.2 | 0.7 | ±3%±0.1dgts |

- (3) Operation conditions:

Humidity: 80%RH
 Main unit: 0°C to 50°C Vane: 0°C to 60°C

- (4) Storage conditions:

Humidity: 0to90%RH
 Main unit: 0°C to 50°C Vane:0°C to 60°C

- (5) 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) Temperature switch & LCD back light button
- (7) Max/Min/Avg/Cu function button
- (8) Conection lead wire
- (9) Vane