



Model:GM8901+

## Digital Anemometer Instruction Manual

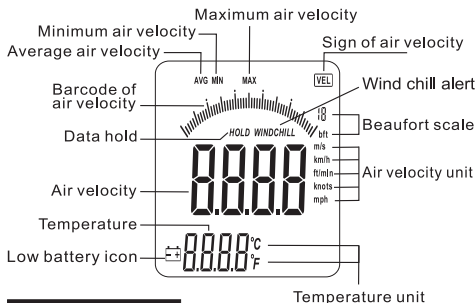


Version: GM8901+EN-00

### A. FUNCTION

1. Air Velocity & Temperature measurement
2. Max/Min/Average/Current reading
3. °C/°F temperature unit selection
4. Five units of air velocity: M/s, Km/h, ft/min, Knots, mph
5. Data Hold
6. LCD backlight display
7. Manual/Auto power shut off
8. Beaufort Scale indication
9. Wind chill alert
10. Low battery indication
11. Retractable drag rod

### B. LCD DISPLAY



### C. OPERATION

#### 1. Preparation before measuring:

Insert the battery properly into the battery door. insert the connecting wire into the socket on the top of the main unit.

#### 2. Turn on:

Press to turn on the unit. LCD blink a full display one second then display current air velocity and temperature; Backlight will be activated at the same time.

#### 3. Set up unit of air velocity:

Press , then " m/s " indication blinks. Press can switch the five units: m/s, km/h, ft/min, knots and mph. Press again to confirm the unit.

#### 4. Set up unit of temperature

Press to switch temperature unit: °C/°F

#### 5. Data hold:

Press to lock the current air velocity. Press it again can go back the normal measuring mode

#### 6. Set up backlight

Press button for 2 seconds to turn on the backlight. Press it again for 2 seconds to turn off the backlight.

#### 7. Max/Min/Avg/Current air velocity measure

When power on and the vane spins, LCD display current air velocity. Press button again and again can switch to MAX reading, MIN reading, AVG reading and go back to current reading.

#### 8. Sampling for average wind speed

Take the average value after sampling 21 times at an interval of 0.3 seconds.

#### 9. Wind chill alert

In measuring, when the temperature is under 0 °C the wind chill icon appears on LCD.

#### 10. Retractable drag rod

The rod can be dragged longer as much as 553mm for long distance measuring.

#### 11. Turn off:

Press button to turn off the unit. The unit will turn off automatically without any operation in one minute.

### D. SPECIFICATION

A. Air velocity				
Unit	Range	Minimum resolution	Threshold	Accuracy
m/s	0~45	0.01	0.3	±3% ±0.1dpts
ft/min	0~880	1.9	60	±3% ±10dpts
knots	0~88	0.02	0.6	±3% ±0.1dpts
km/hr	0~140	0.03	1	±3% ±0.1dpts
mph	0~100	0.02	0.7	±3% ±0.1dpts

B. Temperature			
Unit	Range	Resolution	Accuracy
°C	0°C~+45°C	0.2	±2°C
°F	32°F~113°F	0.36	±3.6°F
Power supply	3*1.5V AA Batteries		
Operating temperature	0°C~+45°C (32°F~113°F)		
Operating humidity	40%RH~85%RH		
Store temperature	-10°C~+50°C (14°F~122°F)		
Store humidity	10%RH~90%RH		

#### Specific Declarations:

Our company shall hold no any responsibility resulting from using output from this product as an direct or indirect evidence. We reserves the right to modify product design and specification without notice.

