



Model : GT8160

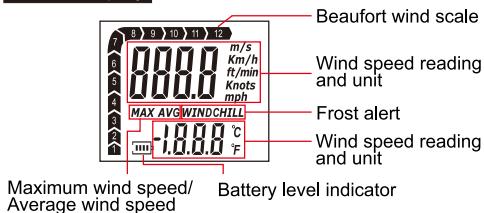
Digital Anemometer Instruction Manual



A. Product Features

1. Simultaneously measures wind speed and wind temperature.
2. Select maximum wind speed, average wind speed, or current wind speed.
3. Switch between °C and °F temperature units.
4. Choose from five wind speed units: m/s, km/h, ft/min, knots, and mph.
5. Displays the Beaufort wind scale.
6. LCD backlight display.
7. Manual/automatic power off.
8. Frost alert.
9. Low battery warning.

B. LCD Display



C. Operating Instructions

1. Press the power button once to turn on the device. All symbols will display on the screen for about 1 second, then the wind speed measurement interface will appear. The device will automatically power off after 10 minutes of inactivity. ;
2. Wind speed unit and measurement mode setting: Press the mode switch button (left button) to toggle between maximum value mode, average value mode, and real-time value mode. In maximum value mode, the

displayed wind speed is the highest recorded after entering this mode. In average value mode, the displayed wind speed is the average of the past 4 seconds. Press the unit selection button (right button) to switch between wind speed units.

*Wind speed units: m/s (meters/second), km/h (kilometers/hour), ft/min (feet/minute), knots (nautical miles/hour), mph (miles/hour)

*Measurement modes: Current wind speed, Maximum wind speed (MAX), Average wind speed (AVG)

3. Temperature unit setting:

Hold the unit selection button (right button) to switch between °C (Celsius) and °F (Fahrenheit).

4. Backlight: Briefly press the power button to turn the backlight on or off. The backlight will automatically turn off after 2 minutes of inactivity.

5. Measurement: When the wind vane rotates, wind speed measurement is active. The screen displays wind speed, temperature, and the Beaufort wind scale. If the temperature drops below 0°C, a "WIND CHILL" frost alert will be shown.

6. Shutdown: Hold the power button for about 2 seconds to turn off the device.

7. Cancel automatic shutdown: While turning on the device, hold the power button for about 5 seconds. When "no" appears on the screen, the device will not automatically power off.

8. Replace battery: When the LCD displays " ", replace the batteries promptly.

D. Technical Specifications

A. Wind Speed Measurement

Unit	Range	Resolution	Threshold	Accuracy
M/s	0~30	0.1	1.0	±5%±0.2m/s
ft/min	0~5860	19	197	±5%±40ft/min
Knots	0~55	0.2	2.0	±5%±0.4knots
Km/hr	0~107	0.3	3.6	±5%±0.8km/h
Mph	0~65	0.2	2.3	±5%±0.4mph

B. Wind Temperature Measurement

Unit	Range	Resolution	Accuracy
°C	-10°C~+45°C	0.2	±2°C
°F	14°F~113°F	0.36	±3.6°F
Battery			1.5V AAA batteries*3
Thermometer			NTC thermometer
Operating Temperature			-10°C~+45°C(14°F~113°F)
Operation humidity			Less than 90% relative humidity
Storage Temperature			-40°C~+60°C(-40°F~140°F)
Current Consumption			Approximately 6mA
Dimensions			153.5*29.5*52mm

Special Statement:

Our company is not responsible for any derivative consequences arising from the use of this product.

Our company reserves the right to modify the product design and manual contents without prior notice!