



Model:AR816

Anemometer Instruction manual



A.Function:

- 1) Wind speed & temperature measurement.
- 2) Wind chill indicaton.
- 3) Temperature display in Celsius or Fahrenheit.
- 4) Different wind speed measurement unit
- 5) Measure wind speed in: Current/Average/ Max .
- 6) Low battery warning
- 7) LCD backlight .
- 8) Auto / Manual off.

B.Operation

- 1) Put battery into battery compartment, LCD will blink all display for a second.
- 2) Recover battery door, push “ MODE ” in 1 second to turn on the unit. LCD will display wind speed, temperature and battery icon. LCD backlight will lasting for 12 seconds.
- 3) Setting different wind measurement:
Push “ MODE ” for 3 seconds until “ m/s ” starts to blink. Push “ SET ” to select desired measurement unit. To confirm the desired measurement unit by push “ MODE ” .
Digit symbol:m/s meter per second; km/hr kilometer per hour; ft/min feet per minute; knots nautical mile per hour;mph mile per hour; Cu Current wind speed, MAX max wind speed, average wind speed.
- 4) °C/°F switch option:Press the little conceal key on the rear cabinet to select different temperature unit.
- 5) Press any key will active LCD backlight for 12 seconds.
- 6) Measurement: when the wind vane (impeller) turns, LCD will instant display wind speed and temperature. When temperature below 0°C ,wind chill symbol will shown on the LCD.
- 7) Push MODE+SET to turn off the unit.
- 8) Build in 14 minutes auto off

Remark: Temperature switch key (°C/°F) conceal in the rear cabinet, please use a little pushpin to press the key for °C/°F conversion.

C.Specifications

Wind speed range				
Unit	Range	Resolution	Threshold	Accuracy
m/s	0~30	0.1	0.1	± 5%
ft/min	0~5860	19	39	
knots	0~55	0.2	0.1	
km/hr	0~90	0.3	0.3	
mph	0~65	0.2	0.2	
Temperature range				
Unit	Range	Resolution	Accuracy	
°C	-10°C~+45°C	0.2	±2°C	
°F	14°F~113°F	0.36	±3.6°F	
Battery		CR2032 3.0V		
Thermometer		NTC thermometer		
Operating temperature		-10°C~+45°C(-14°F~113°F)		
Operating humidity		≤90% RH		
Store temperature		-40°C~+60°C(-40°F~140°F)		
Current consumption		About 3mA		
Weight		52g (including battery and lanyard)		

