



SMART SENSOR AR816 Anemometer Instruction Manual

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SMART SENSOR AR816 Anemometer Instruction Manual



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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

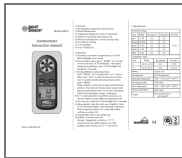
1. Put battery into battery compartment, LCD will blink all display for a second.
2. Recover battery door, push “ MODE ” in 1 second to turn on the unit. LCD will display wind speed, temperature and battery icon. LCD backlight will lasting for 12 seconds.
3. **Setting different wind measurement:**
Push “ 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. 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 () conceal in the rear cabinet, please use a little pushpin to press the key for 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)		



Documents / Resources



[SMART SENSOR AR816 Anemometer](#) [pdf] Instruction Manual
AR816 Anemometer, AR816, Anemometer