Anemometer Instruction Manual

1. Function:

1) Wind speed measurement

2) Barometer indicator

3) Temperature/humidity/dew point/wind chill indication

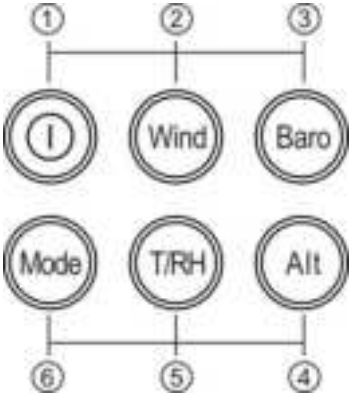
4) Altitude measurement

5) Measure wind speed in: Current/Max/Min/Average

6) Low battery warning

7) LCD back-light

8)Auto / Manual power off (Note: It will not auto power off in the interface of barometer indication)



2.Operation：

1) Put battery into battery compartment.

2) Recover battery cover, screw down press“①”in 1 second to turn on the unit. LCD will display wind speed, temperature and battery icon. Press again, it will power off.

3) Press “ ② ” to select different wind speed unit:

Press “②”each time, it will circulated among “m/s”, “Km/h ”, “Ft/min”, “Knots”,and “MPH” .

Digit symbol:

m/s: meter per second; Km/h: kilometer per hour;

Ft/min: feet per minute; Knots: nautical mile per hour;

MPH: mile per hour.

4) Press “③” to select different barometric pressure unit: Press “③”each time, it will circulated between “inHg” and “hpa mbar”. Press and hold“③” for above 3 seconds, it will enter to the reading of barometric pressure mode. There are total 16 groups data, and record the barometric pressure 1 times per hour. Now you press it, you can check the 16 groups data. Press and hold “③” again, it will exit to the reading of barometric pressure mode.

Digit symbol:

inHg: inches of mercury

hpa mbar: millibars / hectopascals.

1(inHg) =33.8638816(hpa)

5) Press“④” to select altitude unit, press”④” each time, it will circulated between “M” and “FT”.

Note: As the altitude is the conversion from atmospheric pressure, in different periods, the uneven air density which is caused by climate will lead to different altitude.

Digit symbol:

M: meter; FT: feet.

1(m)=3.2808399(ft)

Press and hold "④", it will go into the mode of barometric pressure calibration. You can calibrate according to the barometric pressure in your local. Press "②" to go up in units, press"⑤" to go down in units. After the adjustment is completed, press and hold"④" again, the data will be saved and it will exit to the calibration mode.

6) Press"⑤" each time, it will circulated among "℃", "℉", "RH%", "DP-℃", "DP-℉", "WCL-℃" and "WCL-℉".

Digit symbol:

℃: Centigrade; ℉: Fahrenheit; RH%: Relative Humidity;

DP-℃: Dew point centigrade;

DP-℉: Dew point degree fahrenheit;

WCL-℃: wind chill centigrade;

WCL-℉: wind chill fahrenheit.

WCL: The wind chill index is a physical quantity that characterizes the relationship between the wind speed and the cooling.

DP: Displays the temperature at which air becomes saturated with moisture (the temperature at which fog will form)

7) Press "⑥" each time to select "MAX", "AVG", "MIN" of wind speed. Press and hold"⑥" for above 3 seconds, back light will turn on. Press and hold "⑥" for above 3 seconds again, it will turn off.

3. Specifications:

Wind Speed Range			
Unit	Range	Resolution	Accuracy
M/s	0.3~30	0.1	±5%
Ft/min	59~5905	19	
Knots	1~55	0.2	
Km/h	2~90	0.3	
Mph	1~65	0.2	

Temperature range			
Unit	Range	Resolution	Accuracy
℃	-10℃~45℃	0.2	±2℃
℉	14℉~113℉	0.36	±3.6℉

Battery	AAA 1.5V×2
Thermometer	NTC thermometer
Operating	-10℃~45℃(14℉~113℉)
Relative humidity	≤90%RH
Store temperature	-20℃~60℃(-4℉~140℉)
Current consumption	About 3mA
Weight	153g(including battery)

4.Altitude and Atmospheric Pressure conversion table:

Altitude （m)	Atmospheric pressure（kpa)	Altitude（in）	Atmospheric pressure（inhg)
0	101.3	0	0.029
500	95.2	19685	0.028
1000	89.4	39370	0.026
1500	84	59055	0.024
2000	78.9	78740	0.023
2500	72.84	98425	0.021
3000	67.24	118110	0.019
3500	61.64	137795	0.018
4000	56.04	157480	0.016
4500	50.44	177165	0.014
5000	44.84	196850	0.013
5500	39.24	216535	0.011
6000	33.64	236220	0.009
6500	28.04	255906	0.008
7000	22.44	275591	0.006
7500	16.84	295276	0.004
8000	11.24	314961	0.003

Form quote from:

http://www.bestconverter.org

In the natural environment, atmospheric pressure will be affec ted by various factors, such as changes in temperature, humidi ty, wind speed and altitude.

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