PRECAUTION

✧ Thank you for purchasing our company Air Flow Anemometer.

✧ This manual provides relative information on how to use the Air Anemometer and warning in operation Please make some simple test measurement to ensure proper performance of the unit.

✧ To make the best use of this Anemometer, read this Manual thoroughly before use it. Please Keep this Manual Handy for reference.

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1.Before Use Notice

2.Operation

3.Other Items

1. Before Use Notice

Check up

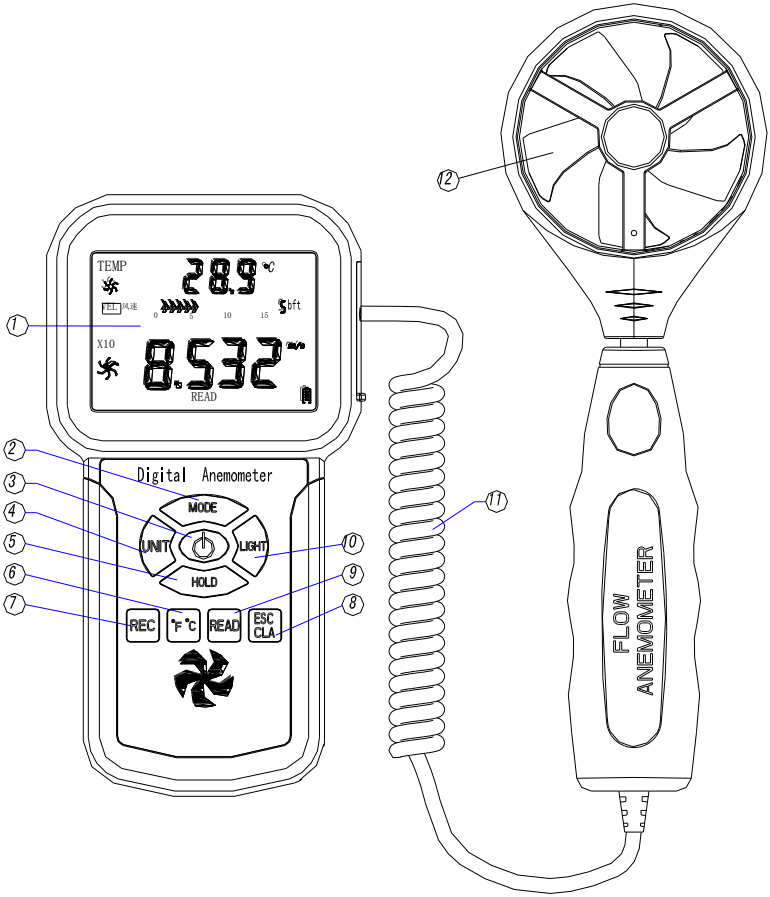
Carefully unpack your kit and ensure that you have the following Items. In case that any items is missing or if you find any mismatch or damage .promptly contact your local dealer.

- ✧ Air Flow Anemometer unit---------- 1pcs
- ✧ Auxiliary Fans ---------- 1pcs
- ✧ Software Disc For Anemometer ---------- 1pcs
- ✧ 6F22 or NEDA 1604 9V battery ----------1pcs
- ✧ English/Chinese Instruction Manual ----------1pcs
- ✧ Warranty Card ---------- 1pcs
- ✧ PP Packing box ---------- 1pcs

Features

- ✧ Measurement of wind velocity, temperature
- ✧ Unit conversion of wind velocity, temperature
- ✧ Measurement of maximum and minimum wind velocity
- ✧ Measurement of 2/3 max
- ✧ Data holding, storing and deleting function
- ✧ Low battery indicating function
- ✧ Auto power off function (Power off automatically if no any operation for 10 Minutes)
- ✧ Memory of 100 records
- ✧ Backlight function
- ✧ Pressing key audio alert
- ✧ Large LCD display
- ✧ Wind Handle Can Elongate

DIAGRAM OF THE UNIT

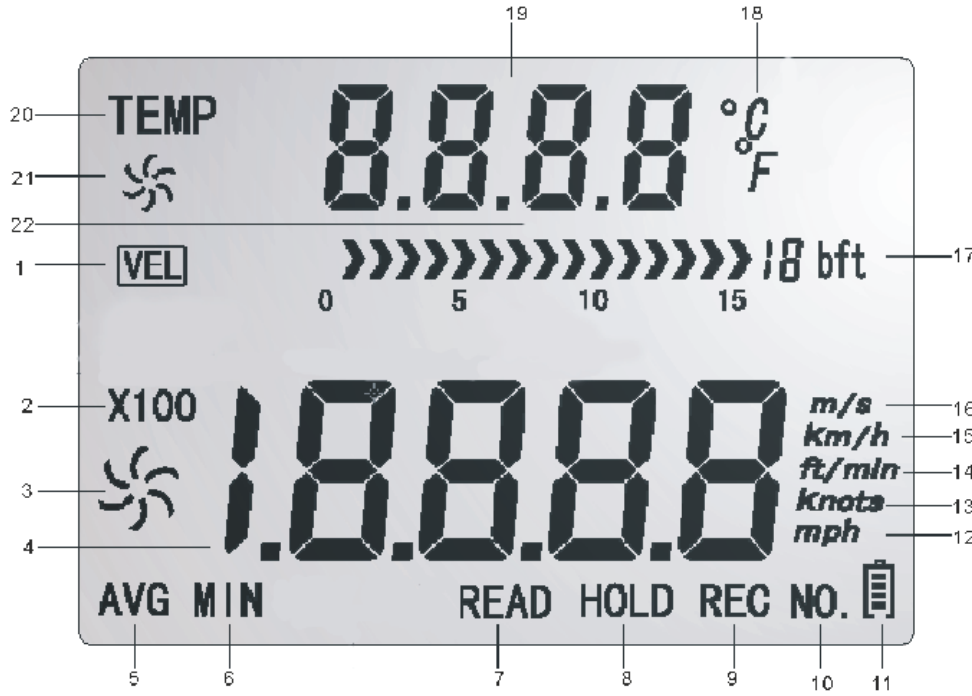


1). LCD display
2). Mode Transfer key
3). Power key: press once to power on, again for two seconds to power off
4). Unit transform key
5). Data holding key
6). Temperature unit switch
7) Data record key.
8) turn back to "READ" mode/clear recorded
9) Read out recorded data key
10) Backlight on/off key, press down to start the backlight function, again to cancel.
11) Connecting wire
12) Fan

NOTE:

Aforesaid key function descriptions are simple introduction. Pleas read operation instructions parts for details.

LCD Display



1) VEL : When measuring wind velocity, this symbol will appears

2) ***X100*** : If measured value is over 9999, the symbol "X10 " or "X100" will appear.

3) : Big fans : indicate wind velocity status, which was subject to Wind Velocity and revolving.

4) 8.8.8.8 : Wind velocity and flow display area.

5) **AVG** : When measuring average values this symbol appears.

6) **MIN** : Showing minimum values.

7) READ : This symbol will appear. While Read stored record data.

8) HOLD : Data holding

9) REC : Data record by using the signal

10) NO. : This symbol and serial number of stored record data will appear. While Read stored record data.

11)  : Low battery indicating symbol, please replace battery if this symbol empty.

12) Mph : Wind velocity unit (mile/hour)

13) knots : Wind velocity unit (sea mile/hour)

14) ft/min : Wind velocity unit (foot /minute)

15) km/h : Wind velocity unit (kilometer/hour)

16) m/s : Wind velocity unit (mete r/second)

17) 18 bft : Beaufort scale

18) °C : Wind temperature Celsius unit

°F : Wind temperature Fahrenheit unit

19) 8888 : Temperature value display or Duct area display area

20) TEMP : Wind temperature signal.

21) : small fan signal: indicate the Wind Temperature status

22) 

: Bar graph display of Beaufort scale

SPECIFICATIONS

1. Wind Velocity Range:

Unit	Wind Velocity	Resolution	Lowest Point of start value	Accuracy
m/s	0.0-45.0	0.001	0.3	±3%±0.1
Ft/min	0.0-8800	0.01/0.1/1	60	±3%±20
Knots	0.0-88.0	0.001/0.01	0.6	±3%±0.2
Km/h	0.0-140.0	0.001	1.0	±3%±0.4
Mph	0.0-100	0.001/0.01	0.7	±3%±0.2

2. Unit Conversation:

	m/s	Ft/min	Knots	Km/h	Mph
m/s	1	196.87	1.944	3.60	2.24
Ft/min	0.00508	1	0.00987	0.01829	0.01138
Knots	0.5144	101.27	1	1.8519	1.1523
Km/h	0.2778	54.69	0.54	1	0.6222
Mph	0.4464	87.89	0.8679	1.6071	1

3. Air Temperature Range:

Unit	Scale	Resolution	Accuracy
℃	0.0-45.0	0.1	±1.0℃
℉	32.0-113.0	0.1	±1.8℉

4 . Operation Conditions:

	Temperature	Humidity
Host	0-50℃(32-122℉)	≤80%RH
Fan	0-60℃(32-140℉)	

5. Storage Conditions:

Temperature	-10-60℃(14-140℉)
Humidity	≤80%RH

6. Power supply : 6F22 9V×1

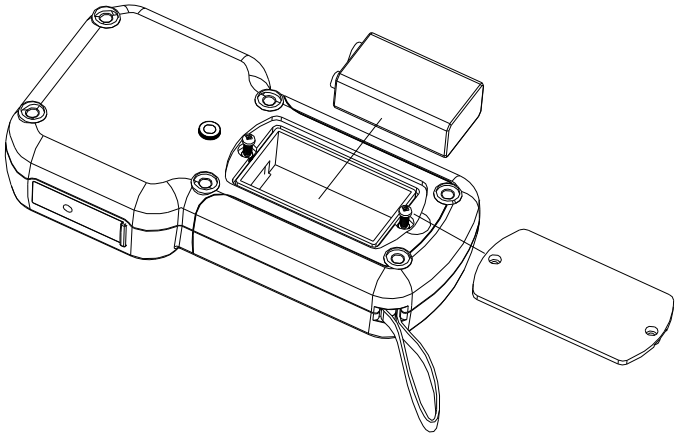
7. Low battery indicating : 6.8V±0.2V

8. Stand by current ≤2μA
9. Operating Current Approx.18mA
10. Battery use life :20H (Continuous Use)
11. Dimensions:
    Meter:163×85×34.5 ㎜
    Vane: 251×72×30 ㎜
12. Net Weight :320.5g (Not Included Battery)

2. Operation

Measurement of Wind Velocity and Temperature

✧ Recover the battery door , and install the batteries properly as shown in figure 1.



✧ Press the "⏻" key, all the symbols will be shown on the screen for 1 second, then the unit goes into current wind velocity and temperature measuring mode, the LCD screen shows as

following figure2:

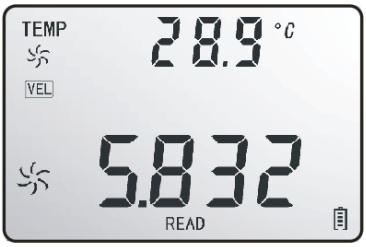


figure2

✧ Select your desired wind velocity and temperature unit

(1) Press the "UNIT" key, the wind velocity unit will be auto change from (m/s、km/h、ft/min、knots、mph), (default unit is m/s)

(2) Press the "℃/℉" , The temperature will be change between ℃/℉ mode, defaulted as ℃.

✧ Hold the Anemometer with your hand, place the vane in the air flow with the air direction matching the direction of the arrows printed on the inner walls of the vane (Pleas do not extruded the fan leaf. Otherwise will cause the inaccuracy measurement)

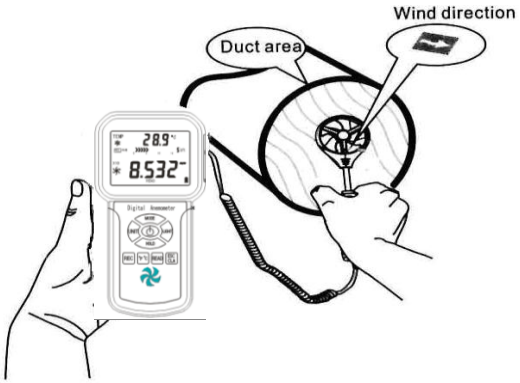


Figure3

(1) Wait for two Sec, to make the data stability

(2) Place the vane in the same direction of the wind to capture the accurate data ,temperature within 20℃.

(3) Press “LIGHT” Key to start the Backlight Function, then press "LIGHT" button the light function will turn off.

✧ Wind /Air Temperature Measurement

(1) Wind temperature will test out when testing Wind Velocity, Small Vanes pattern will showing along with the display of "TEMP" Symbol.

(2) Press button ℃/℉ to Switch ℃/℉.

Max and min measurement .

✧ In wind velocity measuring process, press the “MAX/MIN” key to obtain the maximum and minimum values, press again to exit. For example:

(1) When measuring maximum value of wind velocity, a “MAX” will be shown on the upper LCD screen, as shown in figure 4

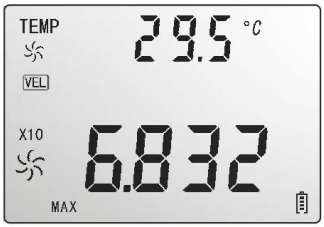


Figure 4

(2) When measuring minimum value of wind velocity, a “MIN” will be shown on the upper LCD screen, as shown in figure 5:

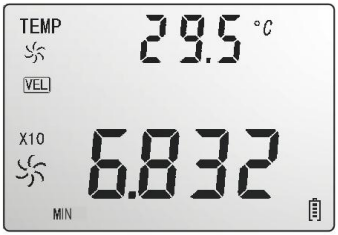


Figure 5

Date holding /Storage/Reading and clearing

✧ Data holding:

When taking measurement of wind velocity press the "HOLD" key to freeze the Data , press the "HOLD' key again return to normal operation.

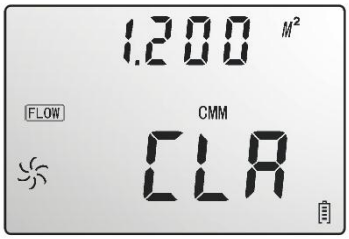
✧ Data storage:

(1) Automatic data storage: On "VEL" state, press the "REC" button, the system will automatically save a set of data per second.

(2) Press “REC” Key stop recording.

✧ Reading data stored sequentially:

Press the “READ” key, you can read the stored data in memory sequentially, the LCD will first shows serial number then shows the data. Press the” ESC” key about three seconds back to normal operation. (This product can store 100 set of data) As shown in figure 6:



stored store

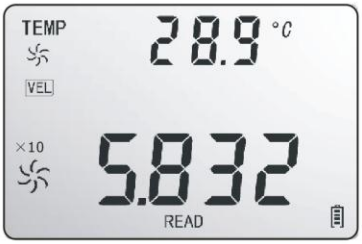


Figure6

Familiar trouble shooting

The following is a list of actions to be to ken if the unit is not working properly:

(1) Screen is blank

Check the battery is inserted correctly. Open the battery door on the bottom rear of the unit. The “+” “–” symbols on the battery should match the corresponding “+” “–” symbols on the inside of the battery compartment.

(2) If the unit can not read the wind flow value properly, please check if the vane is block or not.

(3) If the unit can not read the wind temperature value properly, please check if the heat resistor is fall off or damaged by manual.

(4) If the unit can not read data properly, please check it is operated under the rule temperature and humidity situation.

Maintenance & Warranty

1). Maintenance

✧ Replacing the battery and product maintenance:

a Remove the battery from the unit if it is not required for extended periods of time in order to avoid damage to the battery compartment and the electrode resulting from a leaking battery.

b After power on, if a symbol " D " appears on the LCD, indicates that you should replace the battery in order to avoid inaccurate measuring reading. Otherwise the battery is very possible leak that will seriously damage the unit life. The battery compartment is on the down rear of the unit, open the battery door, re place the old battery for a new 9V

one (notice the battery polarity), close the battery door with a screw knife to lock up.

✧ Cleaning the casing:

✧ Never use alcohol or thinner to clean the unit casing that will especially erode the LCD surface; just clean the unit lightly as needed with little clean water. Never impact the unit or used on humidity condition.

✧ Do not store or use the unit in following locations where the unit may be subject to:

a. Splashes of water or high levels of dust.

b. Air with high salt or sulfur content.

c. Air with other gases or chemical materials.

d. High temperature or humidity (above50℃, 90%) or direct sunlight.

2). Warranty:

✧ About relative warranties please read provided warranty card.

✧ We disclaims any liability due to: transportation damages; incorrect use or operation; manipulation, alterations or repair attempts; without warranty card, invoice.

Specific Declarations:

a The prod u ct design and the manual updating, repairing by technician authorized by us, do not try any alternations or repair attempts.

b Dispose of battery should in accordance with local laws and regulations.

IntelliSafe CE

Above picture and content just for your reference. Please be subject to the actual products if anything different or updated. Please pardon for not informing in advance.

AIR FLOW ANEMOMETER
INSTRUCTION MANUAL