# Digital Anemometer
Instruction manual
ANE-200W

Features

1. Measurement of wind velocity , wind flow and temperature
2. Wind cold indicator
3. Switch wind velocity units
4. Real-time measurement of wind velocity and average wind velocity
5. Measurement of maximum wind velocity and minimum wind velocity
6. Switch between Fahrenheit and Celsius unit
7. Timed automatic shutdown (automatic shutdown after 10mins of no button operation)
8. LED lighting
9. USB communication (with computer applications)
10. Bluetooth communication (with mobile APP)

Part Name

1. Fan blades
2. LCD display
3. Up/Maximum/Minimum mode
4. Power/backlight
5. Average wind velocity measurement
6. Switch of wind velocity units/Down
7. LED lighting/Confirmation
8. Data holding/Setting
9. Battery door
10. LED lighting
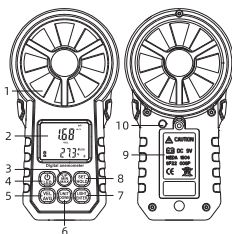
LCD Display

1. Beaufort wind scale
2. Low battery indicator
3. Timing automatic shutdown indicator
4. Wind velocity unit
5. wind flow unit
6. Wind cold indicator
7. Wind velocity icon
8. Data holding
9. USB
10. Humidity unit
11. Bluetooth icon
12. Temperature unit & area unit
13. Temperature display area
14. Area value

15. Delete records
16. Start recording
17. Read records of instrument
18. Two-thirds of the maximum wind flow, maximum/minimum/ average wind velocity and wind flow
19. X10 times, X100 times (X10 appears when the value exceeds 99.99, X100 appears when the value exceeds 999.99)
20. Wind flow icon
21. Wind velocity / Wind flow display area
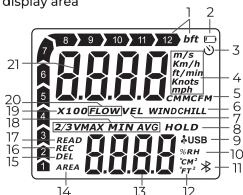
Operation Instruction

1. Power on/off

    After installing batteries, press ⏻/LED button to turn on the instrument, LCD display comes in full screen for 1s, and the buzzer lets out two beeps (if the buzzer is on). The instrument enters normal measurement mode of real-time wind velocity and temperature. Long press ⏻/LED button for at least 2s to turn it down.

2. LCD backlight

    After powering on, press ⏻/LED button to turn on/off LCD backlight.

3. Maximum/minimum mode

    Under normal mode, press UP/MIN/MAX button to enter measurement mode, which measures maximum and minimum wind velocity in real time. Short press UP/MIN/MAX button again to return to normal mode.

4. Data HOLD

    Under normal mode, press SET/HOLD button to hold wind velocity value when "HOLD" appears on the LCD. Short press SET/HOLD button again to return to normal mode.

5. Measurement of average wind velocity

    Under normal mode, short press VEL/AVG button to switch to measurement of average wind velocity, which is the average value of 30 current wind velocity values, and "AVG" icon appears on the LCD. Short press VEL/AVG button again to return to normal mode.

6. Selection of wind velocity unit

    Short press UNIT/DOWM button to select different wind velocity unit in turn.

7. LED lighting

    Under normal mode, short press LIGHT/ENTER button to turn on/off LED lighting.

8. Setting of temperature unit

    Long press SET/HOLD button for 2s to enter setting mode. "ELE" icon appears on display area of wind velocity, indicating that the temperature measurement mode is on. Short press UP/MIN/MAX to switch to Fahrenheit unit, short press UNIT/DOWM to switch to Celsius unit and the corresponding temperature value will display. Long press SET/HOLD button for 2s to save setting and return to normal mode. (the setting is automatically saved if the instrument shuts down)

9. Automatic shutdown setting

    Long press SET/HOLD button for 2s to enter setting mode. Short press SET/HOLD button again until "OFF" appears on display area of wind velocity, indicating that automatic shutdown setting is on. Short press UNIT/DOWM button to turn on timing shutdown, and short press UP/MIN/MAX button to turn off timing shutdown. Long press SET/HOLD button for 2s to save setting and return to normal mode. (the setting is automatic saved if the instrument shuts down)

10. Buzzer setting

    Long press SET/HOLD button for 2s to enter setting mode. Short press SET/HOLD button twice to until " bu2" appears on display area of wind velocity, indicating that the buzzer setting is on. Short press UNIT/DOWM button to turn on buzzer, short press UP/MIN/MAX button to turn off buzzer. Long press SET/HOLD button for 2s to save setting and return to normal mode. (the setting is automatically saved if the instrument shuts down)

11. Bluetooth setting

    Long press SET/HOLD button for 2s to enter setting mode. Short press SET/HOLD button for three times until "bLE" appears on the display area of wind velocity, indicating that automatic shutdown setting is on.

Short press UP/MIN/MAX button to close Bluetooth with "CLO", short press UNIT/DOWM button to open Bluetooth with "OPE". Long press SET/HOLD button for 2s to save setting and return to normal mode. When Bluetooth is on, mobile APP searches for a source named "Anemometer" for connection. After the connection is successful, the icon " ＊ " of Bluetooth changes from blinking to continuous display, and it flashes again due to disconnection. (It is advised to turn off Bluetooth to save power)

12. View/record/set/delete records of wind velocity value

Long press LIGHT/ENTER button for 2s to enter viewing mode of wind velocity records. The number of records appears on the display area of temperature. Short press UP/MIN/MAX to page down, short press UNIT/DOWM to page up, the display area of wind velocity will show wind velocity value recorded at the time with corresponding unit and Beaufort wind scale. (better to set in the APP) Under this interface:

A. Long press SET/HOLD button for 2s to enter setting mode of recording interval. "----" appears on the display area of wind velocity, and the time interval of the last setting appears on the display area of temperature. Short press SET/HOLD button to select setting, short press UP/MIN/MAX button to add 1, short press UNIT/DOWM button to deduct 1, and the maximum setting value is 9999. Long press SET/HOLD button for 2s to save setting and return to viewing mode.

B. Long press VEL/AVG button for 2s to enter record deleting mode. Total number of records appears on the display area of temperature. At this time:

(1) Short press LIGHT/ENTER button to delete all records of wind velocity values and return to viewing mode. "----" appears on the display area of wind velocity, and "0" appears on the display area of temperature.

(2) If you do not want to delete records, long press VEL/AVG button for 2s to return to viewing mode.

C. Short press LIGHT/ENTER button to start recording and saving data, with "rec " flashing.

D. When records are full, "Full" icon appears, and you need to manually delete records as Step B.

13. Wind flow display setting

Long press VEL/AVG button for 2s to enter wind flow display mode. The current wind flow value appears on the display area of wind velocity, and the current set area value appears on the display area of temperature. At this time:

A. Long press SET/HOLD button for 2s to enter setting mode of area value. Short press SET/HOLD to select setting, short press UP/MIN/MAX button to add 1, short press UNIT/DOWM button to deduct 1, and the maximum setting value is 9999. Long press LIGHT/ENTER button to adjust position of decimal point, and long press SET/HOLD button for 2s to save setting and return to display mode of wind flow.

B. Long press VEL/AVG button for 2s to return to display mode of wind velocity.

C. Short press VEL/AVG button and "2/3VMAX" appears, indicating that the current wind flow value is 2/3 of the maximum value. Short press to return to normal reading value under display mode of wind flow.

D. Short press UP/MIN/MAX button to switch between maximum and minimum mode of wind flow.

E. Short press UNIT/DOWM button to switch between CMM /CFM ——M^2/FT^2.

F. Short press SET/HOLD button to hold data.

Technical Parameters

A. Wind Velocity				
Unit	Range	Resolution	Threshold	Accuracy
m/s	0~30	0.01	0.3	±5%±0.1
ft/min	0~5860	1.968	60	±5%±20
knots	0~55	0.019	0.6	±5%±0.2
km/h	0~90	0.036	1	±5%±0.4
mph	0~65	0.022	0.7	±5%±0.2

B. Wind Flow			
Unit	Range	Resolution	Area
CFM(FT^3/MIN)	0~999900	0.001~100	0.001~9999
CMM(M^3/MIN)	0~999900	0.001~100	0.001~9999

C. Wind Temperature			
Unit	Range	Resolution	Accuracy
℃	-10~45	0.1	±2
℉	14~113	0.2	±3.6

D. Humidity				
Unit	Range	Resolution	Accuracy	Test conditions
%RH	10~90	0.1	±5%	90% relative humidity without condensation

Battery	9V battery(6F22)
Temperature sensor	Negative Temperature Coefficient Resistance
Operation temperature	-10~45℃(14~113℉)
Operation humidity	≤90%RH
Storage temperature	-10~50℃(14~122℉)
Current consumption	Turn off Bluetooth: About 6mA; Turn on Bluetooth: About 16mA
Size	165*85*39mm
Weight	186g(including battery)

USB Communication (With Computer Application)

Enter the website "www.downloadsupport.tech" in the browser, press enter and enter the page to find the menu "Product Catalog>>".Click into the page to find the software installation package "setup_AnemometerMK25. zip". Click the download button to directly extract the "zip package" after downloading. Double click on ".exe" to install.Before installing the software, please carefully read the "required reading before use" document in the software installation package,and then install it.

Download center			
PC Software			
Name	Download	Download times	Pubdate
setup_AnemometerMK25.zip	⊕	0	2019-03-12
Page 1 of 1 ⊡⊡⊡⊡⊡			

1. After starting software, first connect to port and turn on the instrument. The current connection state of the instrument will be indicated in the lower left corner.
   Start page: Real-time measurement: Enter real-time measurement interface.

Note: Language switching display requires entering the real-time measurement interface to switch the required language.

2. Software interface description:

Toolbar

Button bar

3. Toolbar description:

Read meter value interval (set a few seconds to read the value of the meter measurement)

File	Option	Help
Open	Real time measure interval(sec)	Help
Import	Config	About
Export	Language ▶	
Save as ▶	Connect port	
Start Page	Settings	
Quit	Read meter record	
	Clear meter record	

4. Settings interface description:

5. Display area: as the instrument switches wind speed ↔ air volume, the display area shows correspondingly (so does line chart).
   Line chart: Figure 1 is wind speed / air volume chart, Figure 2 is temperature / humidity chart.
   List: recording the data passed by the instrument, which can import and export data (data can be saved in two formats: ane/.xls).
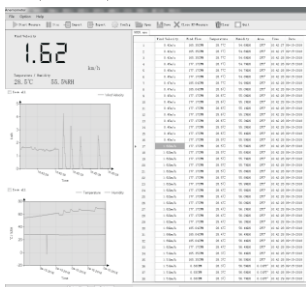
6. Configuration page description:
   The contents of window that pops out after clicking configuration button in button bar will be displayed in the exported EXCEL.

7. Status bar: The status of the operation process will be presented in the bottom column.
   Print button: printing the current page.

Print button

Status bar

| Connected | | Print View | Print |
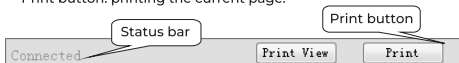
NOTE:
(1) After successful installation, the default language at first is English, which can be changed by user.

Option	Help				
Real time measure interval(sec)		Export	Config		Open
Config					
Language	▶	● 英语 English/(Default)			
Connect port		简体中文 Simplified Chinese			
Settings		繁体中文 Traditional Chinese			
Read meter record					
Clear meter record					
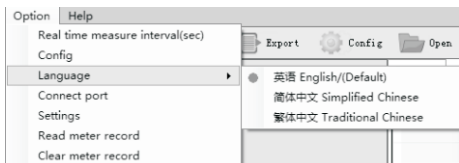
(2) Click on line chart area for labels of current X and Y axis, drag and drop for enlarged image, and double-click to return to the previous state.
(3) Click on any cell in the list for labels of X and Y axis in line chart.

Bluetooth Communication (With Mobile APP)

1. Scan the QR code below to download and install the dedicated APP, or search for "Anemometer26" in the app store to install.

Android   iOS

Attention: Anemometer26 App supports only android 5.0 and iOS9.0 or above.

2. Bluetooth connection interface:
1) Before Bluetooth is connected, click start button or reset button on home page for Bluetooth connection window.
2) Click on the search icon in the upper right corner of window to search for Bluetooth device, which takes about 5s.
3) Click on the device to connect.
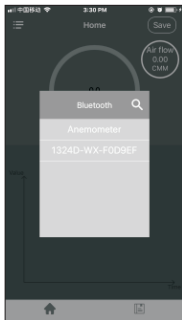
iOS · Android

3. Home page interface:
1) Button in upper left corner: Enter settinginterface.
2) Storage button in upper right corner: Save real-time data.
3) Start button: Perform real-time data sampling.
4) Reset button: Clear real-time sampled data.
5) The upper half of interface is real-time data display, green numbers are values of wind speed, and yellow numbers are values of temperature and humidity.
6) The lower half of interface is a real-time wind speed curve.

iOS · Android

4. Real-time data list interface:
   (this interface is not for iOS version)

Android

5. Saved data interface:

iOS

1) Click to enter into the interface of detailed info
2) Left slide on the screen to delete the data of a single group or share them with third party in format of Excel.
3) Click the character of Multi-deletion on the right upper corner to delete the data groups selected.
4) The right upper corner of every data group shows the type of the data saved. Real Time character indicates the data saved in the first page loading. Save character indicates the data retrieved from the lower computer in the interface of setup

Android

1) Short press to enter data display interface.
2) Long press to choose data to be deleted.
3) Gray icon stands for the data read from lower computer.
4) Blue icon stands for the real-time saved data.

Note: The lower computer is the anemometer

iOS
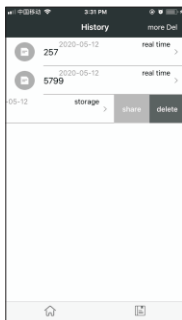
Android
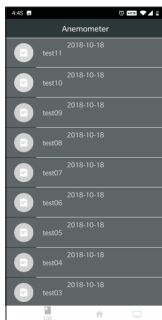
6. Data display interface:
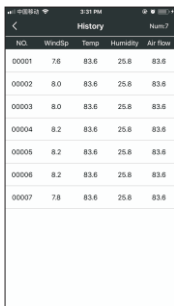
iOS
1) the right upper corner of the page shows the total number of the data group.
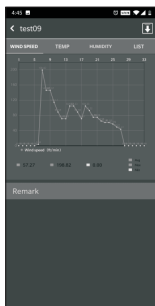2) data showed in sequence of NO./wind speed/temperature/relative humidity/wind volumn.

Android
1) Wind speed curve, temperature and humidity curve and data list are displayed in the interface.
2) Upper right button: Export data, the data is exported to mobile phone in the form of EXCEL.
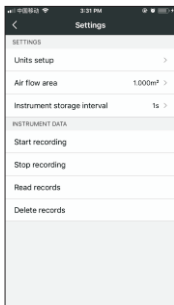
iOS	Android

7. Settings interface:
1) Unit setting: air volume area setting and time interval setting of data storage.
2) Start recording: control lower computer to start recording.
3) End recording: Control lower computer to end recording.
4) Read record: Read the data saved by lower computer.
5) Delete record: delete the data saved by lower computer.

iOS	Android

For more details product instructions,please scan the QR code to obtain
Scannen Sie bitte den QR-Code für detailliertere Produktbeschreibungen
Veuillez scanner le code QR pour obtenir des instructions de produit plus détaillées
si desea obtener más información sobre el producto, escanee el código QR
Para obter instruções mais detalhadas do produto, digitalize o código QR para obter
Per manuali di prodotto più dettagliati, scansionare il codice QR per ottenerli
詳細な製品説明書はQRコードをスキャンして取得してください
更多产品详细说明书请扫描二维码获取