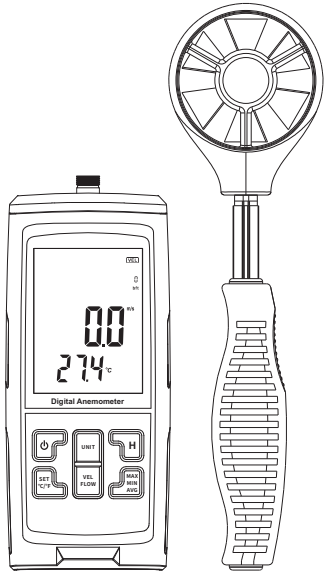
Model:GT8915

Digital Anemometer Instruction Manual

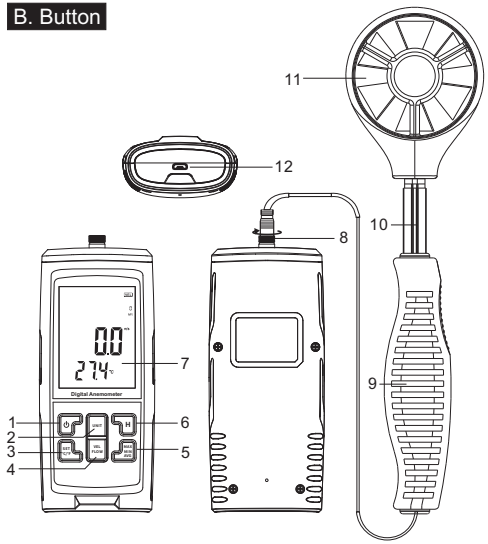


Veision: GT8915-EN-01

A. Features

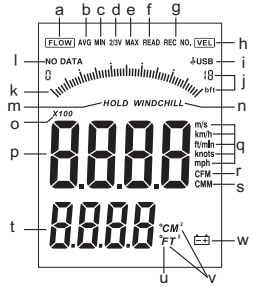
1. Measurement of wind velocity, temperature and flow
2. Selection among max wind velocity,min wind velocity,average wind velocity,current wind velocity.
3. Selection among max wind flow,min wind flow,average wind flow,current wind flow,2/3 maximum wind flow value.
4. Temperature unit selection between ℃/℉
5. Inlet area set
6. Selection wind velocity unit among m/s, km/h, ft/min, knots, mph
7. Data hold
8. LCD backlight
9. Manual/automatic turning off
10. Beaufort scale
11. Wind chill alert
12. Retractable drag rod
13. Low battery indication

B. Button



1. Power on/Backlight button
2. Unit switch button for wind velocity and flow
3. Button for temperature unit switch
4. Switch button between the interfaces of wind velocity and flow
5. Switch button among max/min/average/2/3 maximum wind flow value
6. Data hold
7. LCD
8. Battery door
9. Slip resistant handle
10. Retractable drag rod
11. Blade
12. Handle socket

C. LCD display



a. FLOW: Wind flow icon
b. AVG: Average wind velocity / flow
c. MIN: Minimum wind velocity / flow
d. 2/3V MAX: 2/3 maximum wind flow value
e. MAX: Maximum wind velocity / flow
f. READ: Data read
g. REC NO.: Data record
h. VEL: wind velocity icon
i. USB
j. Francis Beaufort wind scale
k. Dynamic indicating bar for wind velocity
l. NO DATA
m. HOLD: Data hold
n. WINDCHILL: Wind chill alert
o. Data X10/100
p. wind velocity / flow display
q. Wind velocity unit
r. CFM: Wind flow unit(FT^3/MIN)
s. CMM: Wind flow unit(M^3/MIN)
t. Temperature/area display
u. ℃/℉: Temperature unit
v. M^2/FT^2: Area unit
w. Low battery

D. Operation

1.Preparation before measuring:
Insert the battery properly into the battery door.Insert the on necting wire into the socket on the top of the main unit.

2.Power on/off and backlight
Press the "Power on/Backlight" button to turn on the unit with the backlight on, and the full screen display for 2 seconds to enter into wind velocity mode, the readings of temperature and wind velocity shows on the LCD, short press on it will turn on the backlight or turn it off, and it will turn off automatically if there is no operation on the button within 2 minute. the unit will turn off automatically after 10 minutes if there is no any further button operation.Long press on the "Power on/Backlight" button turns off the unit manually.

3.Set up the units of wind velocity / flow
After power on, press the "UNIT" button to select wind velocity unit among m/s, km/h, ft/min, knots and mph in order.

4. Data hold
In measuring, press "H" button to hold the reading measured, and press the "H" button again to return to the measuring mode.

5. Switch between the interfaces of temperature and area setup
Short press on "SET/℃/℉" button is to switch between Celsius degree(℃) and Fahrenheit degree(℉), long press on "SET/℃/℉" button to enter into area setup mode.

6. Switch between wind velocity / flow
Press "VEL/FLOW" button to switch between the wind velocity / flow mode and their respective units change correspondently between m/s and CMM.

7. Steps to set up the area
(1) Long press on the "SET/℃/℉" button to enter into the area setup mode. The area unit flashes, then short press on "H" button to select area unit.
(2) Short press on "SET/℃/℉" button to select the first digit with the first digit flashing, and short press on the "H" button to increase the number and the number returns to zero if the input is over 9. After the desired value is selected short press on "SET/℃/℉" button to confirm and repeat the above steps to set up the second, the third and the forth digits.

(3) Short press on "MAX/MIN/AVG" button is to select the decimal point position.
(4) Long press the "SET/℃/℉" button to exit the area setup mode.
(5) In wind flow measuring, the area set appears and the temperature reading appears in wind velocity measuring.

8. Switching among readings max/min/average/2/3 maximum wind flow
After powering on, and blade rotates with the default value at current wind velocity, short press on the "MAX/MIN/AVG" button to select among max/min/average/2/3 maximum wind flow.

9.Sampling for average wind velocity
Take the average value after sampling 21 times at an interval of 0.3 seconds.

10.Wind chill alert
In measuring, when the temperature is under 0℃ the wind chill icon appears on LCD.

11.Retractable drag rod
The rod can be dragged longer as much as 533mm for long distance measuring.(Length including line 2100mm)

12.wind velocity dynamic indicating bar
This bar varies with the wind velocity in normal measuring but does not vary in case the wind velocity is above Beaufort scale 10.

13.Low battery indication
When the LCD displays [ ], please charge in a timely manner. When charging, the wind velocity dynamic indicating bar scrolls and [ ] is displayed.

E. Specification

A. Wind flow			
Unit	Range	Resolution	Area
CFM(FT^3/MIN)	0~999900	0.1~100	0.001~9999FT^2
CMM(M^3/MIN)	0~999900	0.1~100	0.001~9999M^2

B. Wind Velocity				
Unit	Range	Resolution	Threshold	Accouracy
m/s	0~45	0.1	0.3	±3% ±0.1
ft/min	0~8800	19	60	±3% ±0.1
knots	0~88	0.2	0.6	±3% ±0.1
km/h	0~140	0.3	1	±3% ±0.1
mph	0~100	0.2	0.7	±3% ±0.1

C. Wind Temperature			
Unit	Range	Resolution	Accuracy
℃	0~45	0.2	±2
℉	32~113	3.6	±3.6
Power supply	3.7V lithium battery (1000mAh)		
Operating temperature	0℃~45℃(32℉~113℉)		
Operating humidity	40%RH~85%RH		
Store temperature	-10℃~50℃(-14℉~122℉)		
Store humidity	10%RH~90%RH		

Specific Declarations:
Our company shall hold no any responisibility resulting from using output from this product as an direct or indirect evidence.
We reserves the right to modify product design and specification without notice.

CE