

Mini Anemometer User's Manual

1. Safety

Read the following safety information carefully before attempting to operate or service the meter. Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

◆ Environment conditions:

RH<90 RH% (Non-Condensation)


Operating Temperature : -20 ~ 60°C /-4°F ~ 140°F

◆ Maintenance

Repairs or servicing not covered in this manual should only be performed by qualified personnel.

Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

◆ Safety Symbol

 Comply with EMC

2. General Description

Based on the high-speed and high-precision MCU calculation, this anemometer can provide fast and high accuracy measuring. It is designed for air velocity and temperature measuring project, quality control illness prevention and cure and all kinds of environmental air velocity and temperature measurement. It is widely used for the air velocity and temperature measurement at constructional-engineering, factory, school, public transport, etc.

3. Features

High accuracy, fast response

Color LCD display with backlight

Air velocity and temperature measurement

MAX/MIN/Data HOLD


Selectable measurement units: m/s, ft/min, MPH, km/hr or knots


Over range indication

Low battery indication

4. Basic Operation

4.1 Open battery cover and install 3*1.5v "AAA" size batteries in the battery compartment.

4.2 Press,  key to turn on the meter, it will conduct self-inspection by LCD full display, after that it enters into the normal measuring mode.

4.3 After finish testing, press  a second time to turn off the meter

Note: ① Remove the battery when the meter is to be stored

for Long periods of time to avoid battery leakage

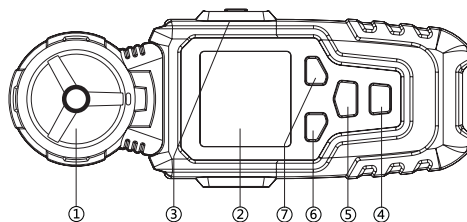
② Make sure the wind is entered into the propeller

right from the front side, i.e. LCD screen should be in face of the user.

5. Specification

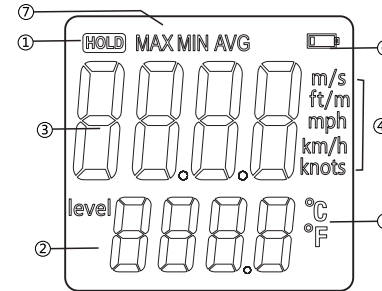
Air Velocity Range	Resolution	Accuracy
0.4~30.0m/s	0.1m/s	±(3.0%+0.3m/s)
1.4~108km/H	0.1km/H	±(3.0%+1.0km/H)
0.9~67.0MPH	0.1MPH	±(3.0%+0.4MPH)
0.8~58.0knots	0.1knots	±(3.0%+0.4knots)
80~5900ft/min	1.0ft/min	±(3.0%+40ft/min)
Temperature Range	0°C ~ 60°C / 32°F ~ 140°F	
Temperature Accuracy	±1.5°C / ±2.7°F	
Resolution	0.1	
Data update	300ms	
Enable/disable auto power off	The meter shuts off automatically after 15 minutes inactivity under auto power off mode, disable auto power off is available	
Operating conditions	-20°C ~ 60°C / -4 ~ 140°F, 10 RH% ~ 90 RH%	
Storage conditions	-20°C ~ 60°C / -4 ~ 140°F, 10 RH% ~ 75 RH%	
Power supply	3*1.5V "AAA" batteries	
Battery life	around 60 hours	
Dimensions	154*59*30mm	
Weight	108g	

6. Meter description



- ① Vane sensor
- ② LCD display
- ③ Hold key
- ④ Power On/Off key
- ⑤ MAX/MIN key
- ⑥ Unit conversion key
- ⑦ Temperature Unit Key



7. LCD display description







- ① Data hold Icon
- ② Temperature readings
- ③ Air Velocity readings
- ④ Velocity unit Icon
- ⑤ Temperature unit Icon
- ⑥ Low battery Icon
- ⑦ MAX/MIN Icon

8. Operation Instruction





8.1 **Power on/off:** press "  "to turn on/off the meter.

8.2 **Data Hold:** In measuring mode, press "  " , "HOLD" Icon will appear on the LCD, which indicates the data is frozen. To release the held reading, press  again .

8.3 **MAX/MIN:** In measuring mode, press "  "MAX" will appear on the LCD. the captured maximum value will be displayed on the LCD ,press  again , "MIN" will appear on the LCD and the captured minimum value will be displayed on the LCD. Long press  the meter exits MAX/MIN measurement mode and back to normal measuring mode

8.4 **Velocity unit conversion:** In measuring mode, press  The measurement units will be converted from m/s. km/h. MPH, ft/min. Knots in turn

8.6 **Temperature unit conversion:** With the meter off, press and hold the **SEL** key, meanwhile press **SEL** to turn on the meter, it can change temperature unit °C or °F. The default temperature unit is °C.

8.7 **Enable/Disable auto power off:** With the meter off, press and hold the  key, meanwhile press the  key, the auto power off  will be disappeared from the LCD screen, which indicates the auto power off function is disabled. The meter will be powered off only by manually press the power off key 

Note: When"(≥, icon displayed on the screen. it indicates that the meter will automatically turn off after approx. 15 minutes of inactivity.


9. Notes

① This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device. The recommended calibration period is one year.

② Repairs or servicing not covered in this manual should only be performed by qualified personnel.

③ Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instruments.

④ Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

⑤ When the low battery icon  appears, replace the meter's battery.

⑥ Do not store or operate the meter in high temperature or humidity.

⑦ Working in strong magnetic environment will affect the measuring accuracy.

10. Accessories:

- ① User's manual
- ② 3*1.5V "AAA" Battery