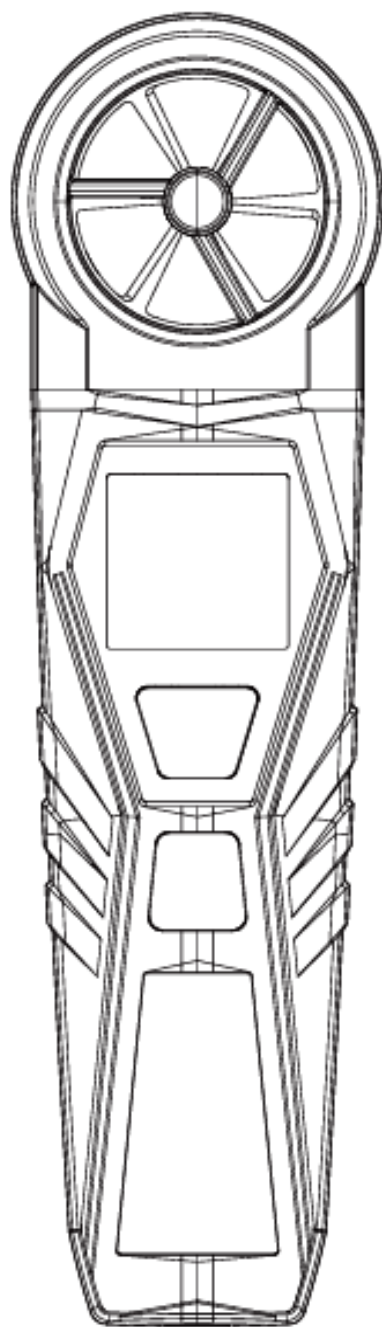


USERS MANUAL

DIGITAL ANEMOMETER



Before using the instrument, please read this manual carefully, and save it well for future using.

This unit is a portable high-precision digital anemometer. It can measure wind speed, air volume and air temperature. It is widely used in wind energy, meteorology, industry, navigation, environmental protection, highways, airports, fan manufacturing, ventilation engineering and so on.

1. Safety information

Before operating or maintaining this unit, please read the following information carefully and use the unit according to the operating instructions, otherwise it may be damaged.

1.1 Preparation:

- * After receiving the unit, check whether it is damaged in transit.
- * After storage and shipment in harsh environment, check and confirm whether the unit is damaged.

1.2 Use:

- * During measurement, the unit should be kept from violent vibration, so as not to affect the rotation of the fan blades.
- * The unit should work within the specified environmental temperature and humidity range.
- * When using the unit, if there is any abnormality or failure, it should be stopped.
- * Do not store or use the unit in direct sunlight, high temperature and high humidity.

1.3 Flags:

Symbol	describe
	For important safety information, see the instruction manual.
	Comply with relevant EU laws and regulations.

1.4 Maintenance:

* Non-professional maintenance personnel are forbidden to open the unit for adjusting or repairing.

* If there is dust on the fan blade, please use clean air to blow it or wet dust-free cloth to wipe it. It is forbidden to use solvent or abrasive to clean it.

* Turn off the power supply after the unit is used. If it is stored for a long time, please remove the battery to prevent the battery from leaking and corroding the unit.

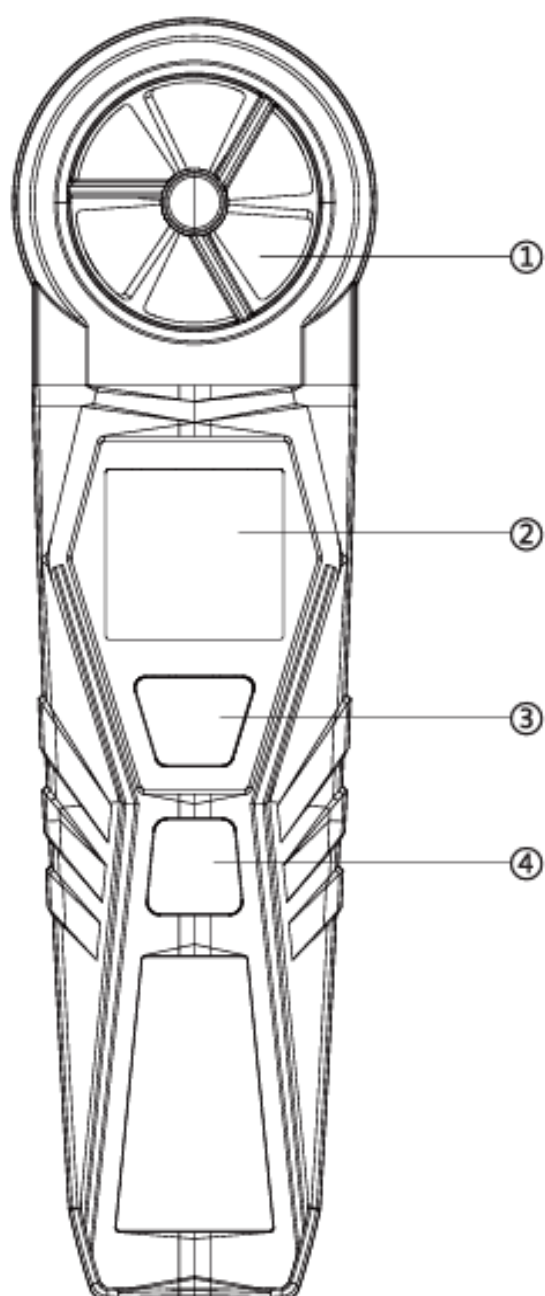
2. Description

* This unit is a hand-held portable measuring unit, with LCD digital display, backlight, multiple unit conversion and other functions.

* The fan of this unit can rotate 180 degrees to adapt to different measurement scenarios.

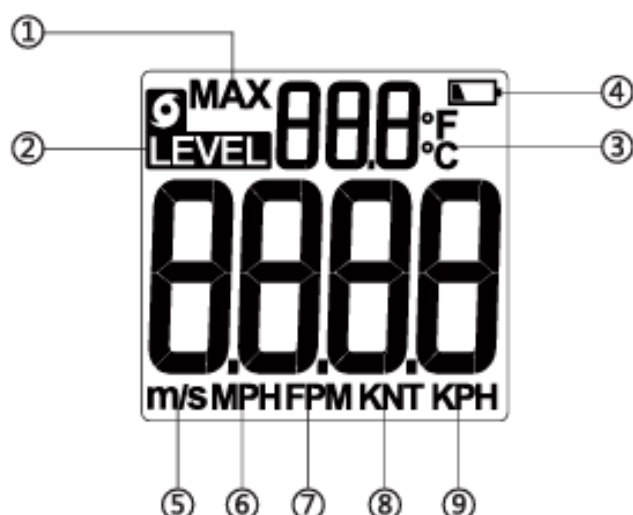
* This unit has battery undervoltage indication, and the screen displays  when the battery is low.

2.1 Components



- ① Fan
- ② LCD.
- ③ Power key /
UNITS unit selection key
- ④ MAX /LEVEL wind level

2.2 Introduction of display



Symbol	Description
MAX	Maximum
LEVEL	Wind level
°C/°F	Wind temperature
	Low battery
m/s	Meter per sec
MPH	Miles per hour
FPM	Feet per minute
KNT	Nautical MPH
KPH	Kilometers per hour

3. Technical parameters

Wind speed	Range	Resolution	Precision
m/s(meters per sec)	1.1 ~ 30.00 m/s	0.01 m/s	± (3% + 0.30 m/s)
MPH(miles per hour)	0.9 ~ 67.0 mph	0.1 mph	± (3% + 0.4 mph)
FPM(feet per minute)	80 ~ 5900 ft/min	1 ft/min	± (3% + 40 ft/min)
KNT(nautical MPH)	0.8 ~ 58.0 knots	0.1 knots	± (3% + 0.4 knots)
KPH(kilometers/hour)	0.8 ~ 108.0 km/h	0.1 km/h	± (3% + 1.0 km/h)

4. Specifications

Operation altitude	2000m
Measurement method	Fan magnetic sensor
Display	LCD
Maximum display	9999
Sampling rate	About 0.4 seconds
Automatic shut-down	About 10 minutes.
Operation current	5mA
Power supply	1.5V×2AAA
Working temperature	0~50°C
Working humidity	0~85%RH
Storage temperature	-10~60°C
Storage humidity	0~80%RH
Size	170mm×47mm×24mm
Weight	About 80g (excluding battery)

5. Operation Guide

1. Long press () to turn the power on or off.
2. Short press the UNITS key to convert the measurement units m/s, MPH, FPM, KNT and KPH.
3. Short press the LEVEL key to change the wind level measurement function.
4. Long press the MAX key to change the maximum function, and long press it again to unlock it.
5. Press the MAX key when the unit is turned off, and press the power key at the same time to turn on the UNIT to convert $^{\circ}\text{F}$.
6. The backlight of this unit is always on and cannot be turned off.

6. Replace the battery

- ① Turn off the power supply of the unit.
- ② Use a screwdriver to remove screws of the battery cover on the back of the unit.
- ③ Remove the battery cover.
- ④ Remove the old battery.
- ⑤ Replace with a new 1.5V x 2AAA battery.
- ⑥ Install the battery cover and tighten the fixing screws.

USERS MANUAL

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