

## plplaaoo WT87B

# plplaaoo WT87B Bluetooth Digital Anemometer Instruction Manual

Model: WT87B

## 1. INTRODUCTION

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The plplaaoo WT87B Bluetooth Digital Anemometer is a high-precision handheld device designed for measuring wind speed and temperature. It features an LCD backlight display for clear readings in various lighting conditions, Bluetooth and USB connectivity for data transmission, and a durable ABS plastic construction suitable for outdoor use. This manual provides detailed instructions for the proper setup, operation, and maintenance of your anemometer.

## 2. SAFETY INFORMATION

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- Read all instructions carefully before using the device.
- Do not attempt to disassemble or modify the anemometer, as this may void the warranty and cause damage.
- Keep the device away from extreme temperatures, direct sunlight, and corrosive liquids.
- Ensure the battery is inserted correctly according to polarity markings.
- Dispose of used batteries responsibly according to local regulations.

## 3. PACKAGE CONTENTS

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Please check the package for the following items:

- plplaaoo WT87B Digital Anemometer
- Cloth Bag
- Hanging Rope
- USB Cable

- Instruction Manual (this document)

*Note: A 9V battery (6F22 type) is required but not included in the package.*

## 4. PRODUCT OVERVIEW

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The WT87B anemometer is designed for ease of use and accurate measurements. Below are key components and features:



**Figure 4.1:** Front view of the anemometer, highlighting the wind impeller and LCD display.



Figure 4.2: Top-down view of the anemometer, illustrating the button layout for various functions.

## Key Features:

- High-precision wind speed measurement (0-30m/s)
- Real-time, average, maximum, and minimum wind speed readings
- LCD backlight display for readability
- Bluetooth and USB connectivity for data transmission
- Unit switching (m/s, km/h, ft/min, knots, mph)
- Data hold function
- LED light function

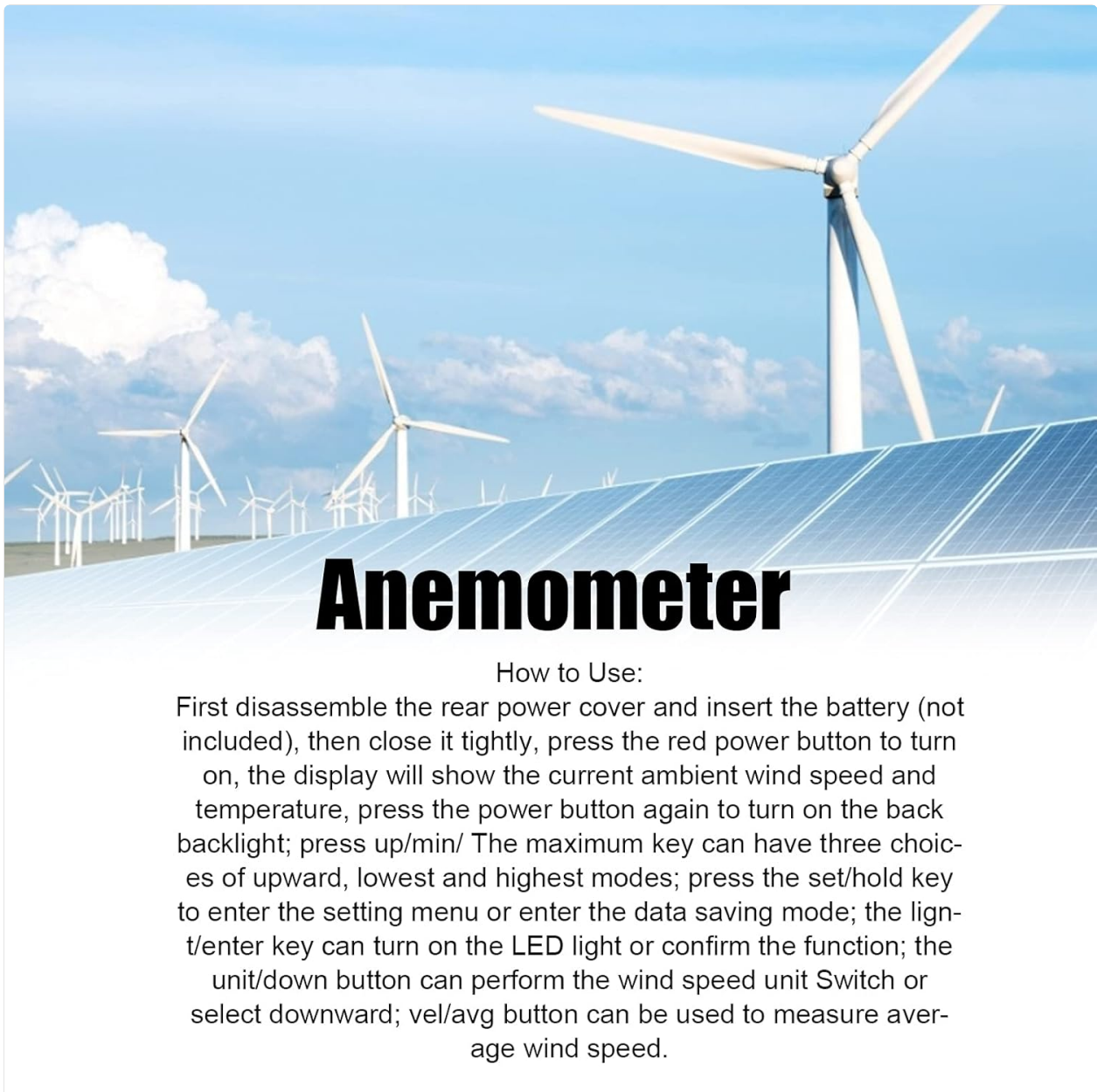
## 5. SETUP

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### 5.1 Battery Installation

1. Locate the rear power cover on the back of the anemometer.
2. Disassemble the rear power cover by sliding or unscrewing it.
3. Insert one 9V (6F22 type) battery into the battery compartment, ensuring correct polarity.

4. Close the power cover tightly.



# Anemometer

## How to Use:

First disassemble the rear power cover and insert the battery (not included), then close it tightly, press the red power button to turn on, the display will show the current ambient wind speed and temperature, press the power button again to turn on the back backlight; press up/min/ The maximum key can have three choices of upward, lowest and highest modes; press the set/hold key to enter the setting menu or enter the data saving mode; the light/enter key can turn on the LED light or confirm the function; the unit/down button can perform the wind speed unit Switch or select downward; vel/avg button can be used to measure average wind speed.

Figure 5.1: Illustration of the anemometer, including a visual guide for battery installation and button functions.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Power On/Off and Backlight

- To power on the device, press the red power button (**LED** button). The display will show the current ambient wind speed and temperature.
- To turn on the LCD backlight, press the power button again briefly.
- To power off, press and hold the red power button.

### 6.2 Wind Speed Measurement Modes

- **Real-time Measurement:** The device displays the current wind speed by default after power-on.
- **Maximum/Minimum/Average Measurement:** Press the **UP/MIN/MAX** button to cycle through maximum, minimum, and current wind speed display modes.
- **Average Wind Speed:** Press the **VEL/AVG** button to measure and display the average wind speed.

## 6.3 Unit Switching

To switch between wind speed units (m/s, km/h, ft/min, knots, mph), press the **UNIT/DOWN** button.

## 6.4 Data Hold and Settings

- Press the **SET/HOLD** key to enter the setting menu or to activate the data saving mode (data hold).
- When data hold is active, the displayed reading will be frozen. Press again to release.

## 6.5 LED Light Function

Press the **LIGHT/ENTER** key to turn on the integrated LED light or to confirm a function within the settings menu.

## 6.6 Bluetooth & USB Connectivity

The anemometer supports seamless connection to a mobile phone via Bluetooth or to a computer via USB. This allows for stable and reliable data transmission. Utilize the companion app (if available for your mobile device) to monitor and analyze wind speed data with enhanced functionality.

# 7. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the battery to prevent leakage. Store the anemometer in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Impeller Care:** Ensure the wind impeller is free from dust, debris, or obstructions for accurate readings.

# 8. TROUBLESHOOTING

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- **Device does not power on:** Check if the 9V battery is installed correctly and has sufficient charge. Replace the battery if necessary.
- **Inaccurate readings:** Ensure the impeller is spinning freely and is not obstructed. Verify that the device is held in an open area, away from obstacles that could affect airflow.
- **Bluetooth/USB connection issues:** Ensure Bluetooth is enabled on your mobile device or that the USB cable is securely connected to your computer. Restart the anemometer and your connecting device if issues persist.
- **Display is dim or flickering:** The battery may be low. Replace the 9V battery.

# 9. SPECIFICATIONS

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Parameter	Value
Item Type	Anemometer
Material	ABS Plastic
Wind Speed Measurement Range	0-30 m/s
Air Volume (CMM)	0-99.99 m <sup>3</sup> /Min
Air Volume (CFM)	0-999900 ft <sup>3</sup> /Min

Parameter	Value
Working Humidity	Less Than 90%RH
Working Temperature	-10°C to +45°C (14°F to 122°F)
Power Supply	1 x 6F22 9V Battery (Not Included)
Connectivity	Bluetooth, USB

## 10. WARRANTY INFORMATION

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Specific warranty details for the plplaaoo WT87B Digital Anemometer are not provided in the product information. Please refer to the retailer's return policy or contact the manufacturer directly for warranty terms and conditions.

## 11. SUPPORT

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For technical assistance, troubleshooting, or further inquiries regarding your plplaaoo WT87B Digital Anemometer, please contact the seller or manufacturer through their official support channels. Refer to your purchase documentation for contact information.