

## Yuecoom PM6252B

# Yuecoom PM6252B Digital Anemometer

## INSTRUCTION MANUAL

### 1. Introduction

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The Yuecoom PM6252B is a high-precision handheld digital anemometer designed for measuring various environmental parameters. This instrument accurately measures wind speed, air volume, temperature, humidity, dew point temperature, and wet bulb temperature. It is a portable and professional tool featuring a large LCD screen with backlight, multi-unit switching, data hold, and maximum/minimum measurement capabilities. This manual provides detailed instructions for its safe and effective use.

### 2. Safety Information

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Please read and understand all safety instructions before operating the device. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- Do not operate the device in explosive atmospheres or near flammable gases.
- Keep the device dry. Do not expose it to rain or moisture.
- Use only the specified battery type (1x9V 6F22 battery). Ensure correct polarity during installation.
- Remove the battery if the device will not be used for an extended period to prevent leakage.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Avoid strong impacts or dropping the device.

### 3. Product Overview

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The PM6252B digital anemometer features a robust design with an impeller for wind speed measurement, a clear LCD display, and intuitive control buttons.



Figure 3.1: Angled view of the PM6252B Digital Anemometer, showing the impeller, display, and control buttons.



Figure 3.2: Front view of the PM6252B Digital Anemometer, highlighting the LCD display and button layout.

### Key Components:

1. **Impeller:** Rotates to measure wind speed.
2. **LCD Display:** Shows measurement readings, units, and indicators.
3. **Control Buttons:** For power, function selection, data hold, unit conversion, and backlight.
4. **USB Port:** For data transfer to a computer.
5. **Battery Compartment:** Located at the rear for 9V battery installation.

## 4. Specifications

The following table details the technical specifications and general parameters of the PM6252B Digital Anemometer.

Indicator	Range	Precision	Resolution
Wind Speed	0.80~30.0 m/s	$\pm(2.0\% \text{ reading} + 50)$	0.01m/s

Indicator	Range	Precision	Resolution
	80~5900 ft/m	±(2.0% reading + 50)	1ft/m
	1.40~108.0 km/h	±(2.0% reading + 50)	0.01km/h
	0.90~67.20 mile/h	±(2.0% reading + 50)	0.01mile/h
	0.80~58.30 Knots	±(2.0% reading + 50)	0.01knots
	1.30~98.50 ft/s	±(2.0% reading + 50)	0.01ft/s
Wind Flow	0~99990 CFM (Area) 0-9.999 ft <sup>2</sup>		
	0~99990 CMM (Area) 0-9.999 m <sup>2</sup>		
	0~9999 CMS (Area) 0-9.999 m <sup>2</sup>		
Wind Temperature	-14 to 140°F	±1.5°C (±2.7°F)	0.1°C (0.1°F)
Wind Relative Humidity	(20~80)%RH	±3%RH@25°C	0.1%RH
	(<20 or >80)%RH	±5%RH@25°C	0.1%RH

### Features:

- Data-hold function
- Max/Min measurements
- Auto power-off
- Backlight display
- USB interface for data transfer
- Undervoltage indication (low battery indicator)

### General Parameters:

- **Power Supply:** 1x9V 6F22 battery (Not included)
- **Overall Dimensions:** 16.5 x 8.5 x 3.8 cm (6.5 x 3.3 x 1.5 inches)
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Weight:** Approx. 200g (7.1oz)
- **Security Level:** CE RoHS

## 5. Setup

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### 5.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open the compartment.
3. Insert one 9V 6F22 battery, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.



Figure 5.1: Rear view of the anemometer with the battery compartment open, showing where to insert the 9V battery.

## 6. Operating Instructions

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### 6.1 Power On/Off

- To power on the device, press the **Power button** (yellow circle with 'I').
- To power off, press and hold the **Power button** until the display turns off. The device also features an auto power-off function to conserve battery.

### 6.2 Function Selection (FUNC Button)

Press the **FUNC button** to cycle through different measurement modes:

- Wind Speed Measurement
- Air Volume Measurement (CFM, CMM, CMS)
- Temperature and Humidity Measurement

### 6.3 Unit Selection (UNIT Button)

In wind speed mode, press the **UNIT button** to switch between different wind speed units (m/s, ft/m, km/h, mile/h, Knots, ft/s). In temperature mode, press the **UNIT button** to switch between Celsius (°C) and

Fahrenheit (°F).

#### **6.4 Data Hold (HOLD/MODE Button)**

- Press the **HOLD/MODE button** briefly to freeze the current reading on the display. The 'HOLD' indicator will appear.
- Press it again to release the data hold and resume live measurements.

#### **6.5 Maximum/Minimum Measurement (MAX/MIN Button)**

- Press the **MAX/MIN button** to display the maximum recorded value since the device was powered on or the function was reset.
- Press it again to display the minimum recorded value.
- Press a third time to exit MAX/MIN mode.

#### **6.6 Backlight Operation**

Press the **Backlight button** (green star/lightbulb icon) to turn the display backlight on or off, improving visibility in low-light conditions.

#### **6.7 USB Data Transfer**

Connect the anemometer to a computer using the provided USB cable. The device supports real-time data upload. Refer to the included CD for specific software and driver installation instructions to utilize this feature.



Figure 6.1: The USB cable included for connecting the anemometer to a computer.

## 7. Maintenance

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### 7.1 Cleaning

- Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the impeller is free from dust and debris for accurate readings. Use a soft brush if necessary.

### 7.2 Battery Replacement

When the low battery indicator appears on the display, replace the 9V battery as described in Section 5.1.

### 7.3 Storage

Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.

## 8. Troubleshooting

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on	Dead or incorrectly installed battery	Replace battery or check polarity
Inaccurate wind speed readings	Impeller obstructed or damaged	Clean impeller; ensure free rotation. If damaged, contact support.
Display is dim or blank	Low battery or backlight off	Replace battery; press backlight button
USB data transfer not working	Driver not installed or cable issue	Install drivers from CD; check USB cable connection

## 9. Package Contents

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The standard package for the Yuecoom PM6252B Digital Anemometer includes:

- 1x Digital Anemometer (PM6252B)
- 1x CD (containing software/drivers)
- 1x USB Cable
- 1x Black Carrying Bag

## 10. Warranty and Support

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For warranty information, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.