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AOPUTTRIVER AP-816B

AOPUTTRIVER AP-816B Handheld Anemometer User Manual

Model: AP-816B | Brand: AOPUTTRIVER

1. Introduction

Thank you for choosing the AOPUTTRIVER AP-816B Handheld Anemometer. This device is designed for accurate and real-time measurement of wind speed, temperature, and wind chill. Its compact and portable design makes it suitable for a wide range of applications, from outdoor sports to professional equipment testing.

2. Safety Information

- Do not expose the device to extreme temperatures or direct sunlight for prolonged periods.
- Avoid dropping the device or subjecting it to strong impacts.
- Keep the device away from water and high humidity to prevent damage.
- Ensure proper battery installation and disposal according to local regulations.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.

3. Package Contents

Upon opening your AOPUTTRIVER AP-816B package, please verify that all items listed below are present and in good condition:

- AOPUTTRIVER AP-816B Handheld Anemometer
- CR2032 3V Battery (pre-installed or included separately)
- Lanyard
- User Manual (this document)

Image: The AP-816B Anemometer with its display showing wind speed and temperature, alongside the included lanyard and a CR2032 battery.

4. Product Overview

Familiarize yourself with the components of your AP-816B Anemometer:

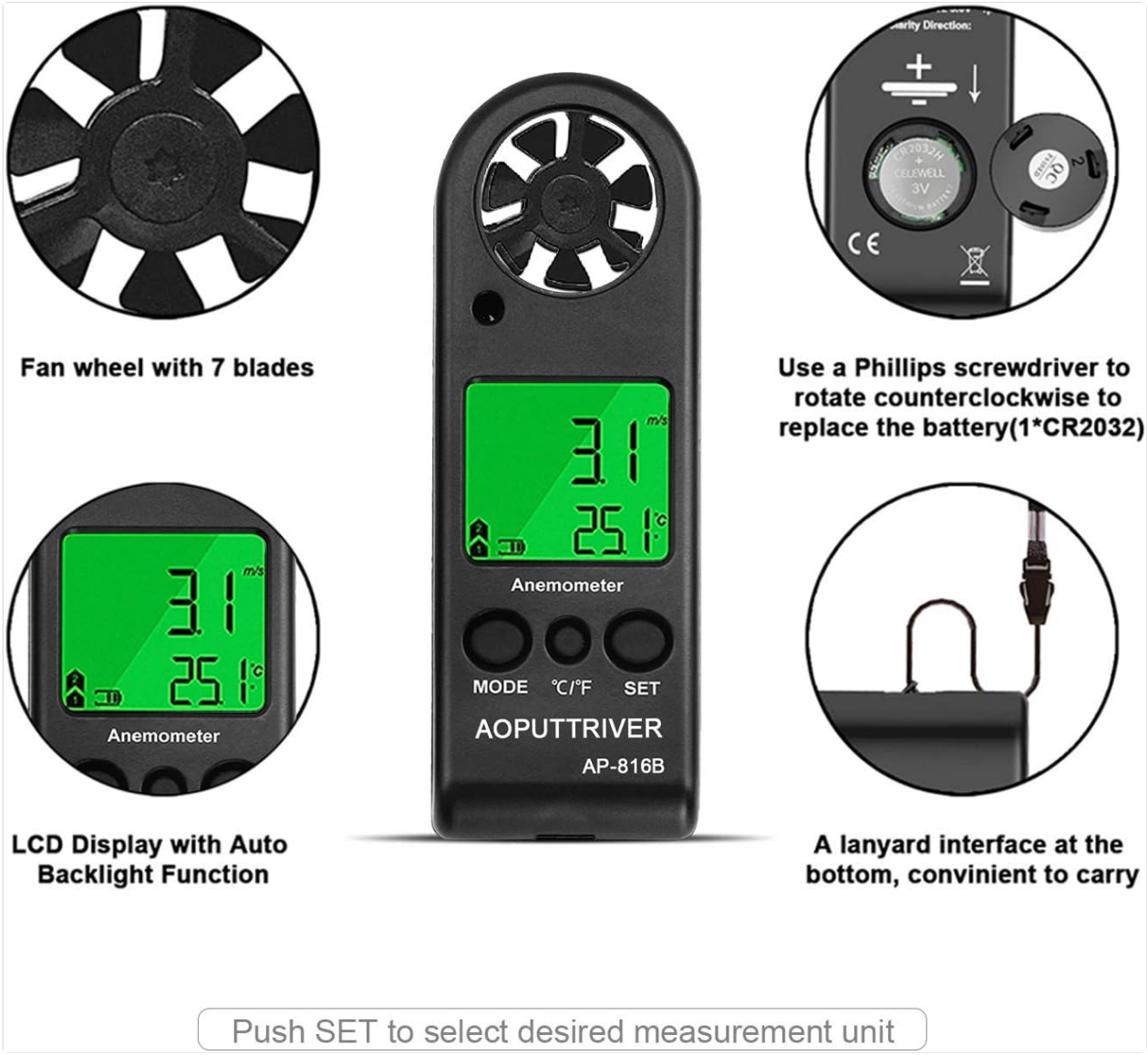


Image: A detailed diagram of the AP-816B Anemometer, highlighting key components such as the 7-blade fan wheel, windchill sensor, LCD display, MODE button, ℃/°F key, and SET button.

- **Fan Wheel (7 blades):** Measures wind speed.
- **Windchill Sensor:** Detects ambient temperature for wind chill calculation.
- **LCD Display:** Shows wind speed, temperature, and other indicators. Features auto backlight for readability in low light.
- **MODE Button:** Cycles through measurement modes (MAX, AVG, CURRENT).
- **°C/°F Key:** Toggles between Celsius and Fahrenheit temperature units.
- **SET Button:** Used to select desired wind speed measurement units (m/s, Ft/min, Knots, Km/hr, Mph) and to power off the device.
- **Lanyard Interface:** Located at the bottom for convenient carrying.

5. Setup

5.1 Battery Installation

The AP-816B Anemometer uses one CR2032 3V battery. Follow these steps to install or replace the battery:

1. Locate the battery cover on the back of the device.
2. Use a coin or a Phillips screwdriver to rotate the battery cover counter-clockwise to the 'OPEN' position.
3. Carefully remove the old battery if replacing.
4. Insert the new CR2032 battery with the positive (+) side facing up, aligning with the polarity indicator.
5. Place the battery cover back and rotate it clockwise to the 'CLOSE' position to secure it.

Image: Visual guide demonstrating how to open the battery cover with a coin, insert the CR2032 battery, and close the cover.

5.2 Attaching the Lanyard

To prevent accidental drops and for convenient carrying, attach the included lanyard:

1. Thread the thin loop of the lanyard through the lanyard interface hole at the bottom of the anemometer.
2. Pass the larger end of the lanyard through the small loop you just created and pull to secure.

Video: A demonstration of how to attach the lanyard to the AP-816B Handheld Anemometer for secure handling.

6. Operating Instructions

6.1 Power On/Off

- **Power On:** Long press the 'MODE' button until the display lights up and the 'm/s' unit starts to flash.
- **Power Off:** Long press the 'SET' button until the display turns off. The device also features an auto-power off function to conserve battery.

6.2 Changing Temperature Units (°C/°F)

Press the '°C/°F' key to switch between Celsius and Fahrenheit temperature displays.

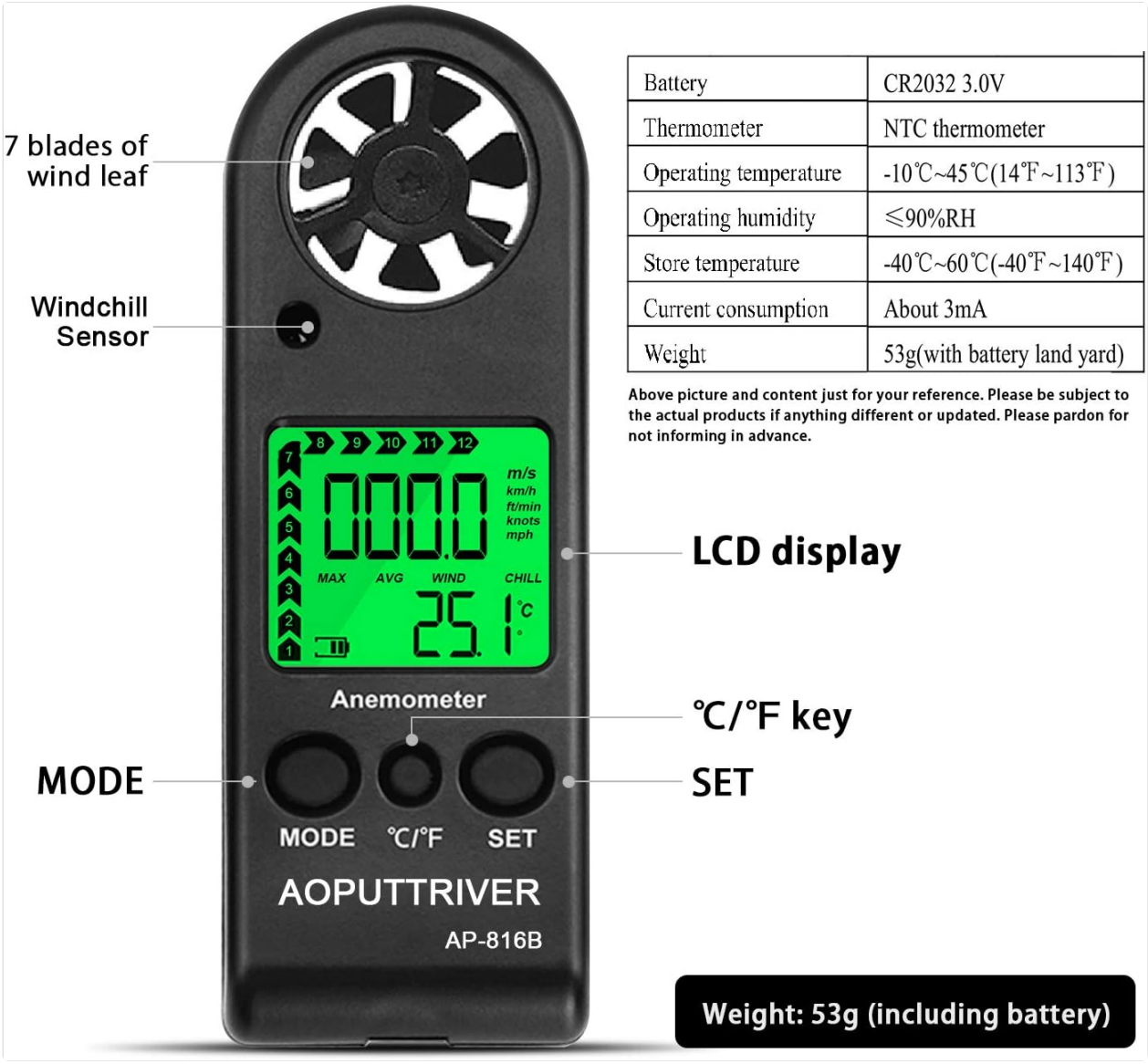
6.3 Selecting Wind Speed Units

While the device is on, press the 'SET' button repeatedly to cycle through the available wind speed units: m/s, Ft/min, Knots, Km/hr, Mph. The selected unit will be displayed on the screen.

6.4 Measurement Modes

Press the 'MODE' button (short press) to switch between different measurement modes:

- **CURRENT:** Displays the real-time wind speed.
- **MAX:** Shows the maximum wind speed recorded since power-on.
- **AVG:** Displays the average wind speed recorded since power-on.



Battery	CR2032 3.0V
Thermometer	NTC thermometer
Operating temperature	-10℃~45℃(14℉~113℉)
Operating humidity	≤90%RH
Store temperature	-40℃~60℃(-40℉~140℉)
Current consumption	About 3mA
Weight	53g(with battery land yard)

Above picture and content just for your reference. Please be subject to the actual products if anything different or updated. Please pardon for not informing in advance.

Image: The anemometer's display showing various measurement indicators including MAX, AVG, current wind speed, and wind chill temperature.

6.5 Taking Measurements

Hold the anemometer so that the fan wheel faces directly into the wind. The LCD will instantly display the wind speed and temperature. If the temperature drops below 0°C (32°F), the wind chill symbol will appear on the LCD.

Image: Examples of the anemometer's application, including gliding, surfing, and flying activities, demonstrating its versatility.

7. Specifications

Image: A table summarizing the features and detailed specifications of the AP-816B Anemometer, including wind speed range, resolution, threshold, and accuracy for various units.

Feature	Description
Brand	AOPUTTRIVER
Model Number	AP-816B
Material	Plastic
Item Dimensions (L x W x H)	4.45 x 1.57 x 0.59 inches
Item Weight	2.39 Ounces
Wind Speed Range	0.3~30 m/s (±5% of rdg)
Temperature Range	-10℃~45℃ (14℉~113℉) (±2℃)

Feature	Description
Resolution	0.1 m/s; 0.2℃
Battery Type	CR2032 3V (1pc)
Operating Humidity	≤90%RH
Storage Temperature	-40℃~60℃ (-40℉~140℉)
Features	Wind chill indication, LCD backlight, Low battery warning, Auto/Manual power off

8. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the battery to prevent leakage. Store the device in a cool, dry place.
- **Fan Wheel:** Ensure the fan wheel is free from obstructions (dust, debris) for accurate readings. Do not force the fan wheel to spin.

9. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on	Low or dead battery; Incorrect battery installation	Replace the battery (CR2032). Ensure correct polarity (+ side up).
Inaccurate wind speed readings	Fan wheel obstructed; Device not facing wind directly; Damaged sensor	Clear any debris from the fan wheel. Ensure the device is pointed directly into the wind. If problem persists, contact support.
Display is dim or flickering	Low battery	Replace the battery.
No temperature reading or incorrect reading	Sensor obstruction or damage	Ensure the windchill sensor area is clear. If problem persists, contact support.

10. Warranty and Support

AOPUTTRIVER provides a 2-year warranty and lifetime technical support for the AP-816B Handheld Anemometer. If you encounter any product problems or require assistance, please do not hesitate to contact our customer service team. We are committed to providing professional gear at a fair cost, obsessively tested products, and world-class customer service.
For support, please visit the official AOPUTTRIVER store on Amazon or refer to the contact information provided with your purchase.

Visit the AOPUTTRIVER Store

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