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> AJDFVHJF Digital Anemometer ST8816 User Manual

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Model: ST8816



1. INTRODUCTION

The AJDFVHJF Digital Anemometer ST8816 is a portable device designed for measuring wind speed, air velocity, and temperature. It is suitable for various applications, including outdoor activities, environmental monitoring, and industrial use. This manual provides detailed instructions for the proper use and maintenance of your anemometer.




Figure 1: AJDFVHJF Digital Anemometer ST8816. This image shows the front view of the anemometer, featuring the fan impeller at the top, a digital LCD display in the middle, and control buttons below the display. The model number ST8816 is visible at the bottom.

2. PRODUCT FEATURES

- **Multi-functional Measurement:** Detects wind speed, wind chill, and ambient temperature.
- **Environmental Sensors:** Equipped with temperature and humidity sensors for comprehensive readings.
- **Compact and Portable:** Easy to hold and operate with one hand, designed for portability during outdoor activities.
- **Clear Digital Display:** Provides easy-to-read measurements.


3. SETUP

1. **Battery Installation:** Open the battery compartment cover on the back of the device. Insert the required batteries (typically AAA, refer to the battery compartment for specifics) ensuring correct polarity. Close the cover securely.

2. **Power On:** Press and hold the **Power button** (usually marked with ) located at the bottom of the control panel until the display illuminates.
3. **Initial Check:** Upon powering on, the device will perform a self-test. Ensure all display segments appear correctly.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the control buttons:

- **Power Button ():** Press and hold to turn the device ON or OFF.
- **UNIT Button:** Press to cycle through different measurement units for wind speed (e.g., m/s, km/h, mph, knots, ft/min) and temperature (°C / °F).
- **SET Button:** Used to enter settings mode or confirm selections.
- **FUNC Button:** Cycles through different functions or display modes (e.g., current wind speed, average wind speed, max wind speed, wind chill, temperature).
- **REC Button:** Used for data recording or accessing recorded data.
- **Up/Down Arrows:** Used for navigation or adjusting values in settings mode.

4.1. Measuring Wind Speed and Temperature

1. Ensure the device is powered on.
2. Hold the anemometer so that the fan impeller (at the top) faces directly into the wind flow.
3. The current wind speed and temperature will be displayed on the LCD screen.
4. Press the **UNIT** button to select your desired unit of measurement for wind speed and temperature.
5. Press the **FUNC** button to view average, maximum wind speed, or wind chill readings.

4.2. Data Recording (if applicable)

If your model supports data recording, press the **REC** button to initiate or stop recording. Consult the on-screen prompts for specific recording functions.

5. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the anemometer in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Impeller Care:** Ensure the fan impeller is free from dust, debris, or obstructions for accurate readings. Do not attempt to lubricate the impeller bearings.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears on the display.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity and replace with fresh batteries.

Problem	Possible Cause	Solution
Inaccurate readings.	Obstructed impeller, low battery, or incorrect unit setting.	Clear impeller, replace batteries, or check unit settings using the UNIT button.
Display is dim or flickering.	Low battery power.	Replace batteries.

7. SPECIFICATIONS

Parameter	Value
Model Number	ST8816
Brand	AJDFVHJF
Item Weight	1.1 pounds (approx. 500 Grams)
Package Dimensions	1.18 x 0.79 x 0.39 inches
Power Source	Battery (type not specified, typically AAA)
Measurement Functions	Wind Speed, Air Velocity, Temperature, Wind Chill

8. WARRANTY INFORMATION

Warranty details for the AJDFVHJF Digital Anemometer ST8816 are typically provided with your purchase documentation or can be found on the official AJDFVHJF website. Please retain your proof of purchase for any warranty claims.

For specific warranty terms and conditions, refer to the information included in your product packaging or contact the manufacturer directly.

9. CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your AJDFVHJF Digital Anemometer ST8816 that are not covered in this manual, please contact customer support through the retailer where the product was purchased or visit the official AJDFVHJF website for assistance.

When contacting support, please have your product model number (ST8816) and purchase details readily available.