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AJDFVHJF BT-100

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MODEL: BT-100

Brand: AJDFVHJF

1. Introduction

This manual provides detailed instructions for the safe and effective operation of your AJDFVHJF BT-100 Digital Anemometer. This instrument is designed for measuring wind speed, wind chill, and ambient temperature. Please read this manual thoroughly before use and retain it for future reference.

2. Safety Information

- Do not expose the device to extreme temperatures, humidity, or direct sunlight for prolonged periods.
- Avoid dropping the device or subjecting it to strong impacts.
- Keep the device away from water and other liquids.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by qualified personnel.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

3. Product Features

- Measures wind speed, wind chill, and temperature.
- Multiple wind speed units: m/s, km/h, ft/min, knots, mph.
- Temperature units: Celsius (°C) and Fahrenheit (°F).
- Backlight display for low-light conditions.
- Data hold function for maximum, minimum, and average readings.
- Compact, lightweight, and ergonomic design for handheld use.

4. Package Contents

- BT-100 Digital Anemometer
- User Manual

- Lanyard (optional, may vary by package)
- Batteries (optional, may vary by package)

5. Device Overview

Familiarize yourself with the components of the BT-100 Digital Anemometer:





Figure 1: Front view of the BT-100 Digital Anemometer.

This image displays the AJDFVHJF BT-100 Digital Anemometer. Key components visible include the black impeller at the top for wind speed measurement, a clear LCD screen displaying "0.0 km/h" and "30.0 °C", and several control buttons below the screen. The buttons are: a red power button (labeled with a circle and vertical line), a "UNIT" button, a "MAX MIN" button, a backlight button (labeled with a sun icon), a "°F/°C" button, and an "AVG" button. The device casing is black with an orange grip on the left side.

1. **Impeller:** Rotates with wind to measure speed.
2. **LCD Display:** Shows wind speed, temperature, battery indicator, and unit.
3. **Power Button ():** Turns the device On/Off.
4. **UNIT Button:** Changes wind speed units (m/s, km/h, ft/min, knots, mph).
5. **MAX MIN Button:** Toggles between maximum, minimum, and current wind speed/temperature readings.
6. **Backlight Button (*):** Activates/deactivates the display backlight.
7. **°F/°C Button:** Switches temperature units between Celsius and Fahrenheit.
8. **AVG Button:** Displays the average wind speed reading.
9. **Battery Compartment:** Located on the rear (not visible in image).

6. Setup

6.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open it.
3. Insert the required batteries (e.g., 3 x AAA batteries) according to the polarity indicators (+/-) inside the compartment.
4. Replace the battery compartment cover securely.

6.2 Initial Power On

Press the **Power Button ()** to turn on the device. The LCD display will illuminate and show current readings.

7. Operating Instructions

7.1 Power On/Off

- To turn on: Press the **Power Button ()**.
- To turn off: Press and hold the **Power Button ()** for approximately 2-3 seconds until the display turns off.

7.2 Changing Wind Speed Units

With the device powered on, press the **UNIT Button** repeatedly to cycle through the available wind speed

units: m/s, km/h, ft/min, knots, mph.

7.3 Changing Temperature Units

Press the **°F/°C Button** to switch the temperature display between Celsius (°C) and Fahrenheit (°F).

7.4 Max/Min/Avg Readings

- Press the **MAX MIN Button** once to display the maximum recorded wind speed and temperature.
- Press it again to display the minimum recorded wind speed and temperature.
- Press it a third time to return to current readings.
- Press the **AVG Button** to display the average wind speed reading. Press again to return to current readings.

7.5 Backlight Operation

Press the **Backlight Button (*)** to turn the display backlight on or off for improved visibility in dark environments.

7.6 Wind Chill Indication

The device automatically calculates and displays wind chill when the temperature is low and wind speed is significant. This reading will appear alongside the standard temperature.

8. Maintenance

8.1 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.

8.2 Battery Replacement

When the low battery indicator appears on the display, replace all batteries with new ones of the same type. Refer to Section 6.1 for battery installation instructions.

8.3 Storage

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

9. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity; replace batteries.
Inaccurate wind speed readings.	Impeller obstructed or damaged.	Ensure impeller spins freely; clean any debris.
Display is dim or flickering.	Low battery power.	Replace batteries.
No temperature reading.	Sensor malfunction.	Contact customer support if issue persists after battery replacement.

10. Specifications

- **Model:** BT-100
- **Wind Speed Range:** 0.3 - 30 m/s (typical)
- **Wind Speed Units:** m/s, km/h, ft/min, knots, mph
- **Temperature Range:** -10°C to 50°C (14°F to 122°F) (typical)
- **Temperature Units:** Celsius (°C), Fahrenheit (°F)
- **Power Source:** 3 x AAA batteries (not included)
- **Weight:** 500 Grams (1.1 pounds)

Note: Specific ranges and power source details may vary slightly. Specifications are subject to change without prior notice.

11. Warranty and Support

The AJDFVHJF BT-100 Digital Anemometer comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact the retailer. For technical support, troubleshooting assistance, or inquiries regarding your device, please contact AJDFVHJF customer service through their official website or the contact information provided with your product.

Manufacturer: AJDFVHJF

Website: www.ajdfvhjf.com (*Placeholder, actual website may vary*)