UNI-T UT363BT

UNI-T UT363BT Digital Anemometer User Manual

Model: UT363BT
Brand: UNI-T

1. Introduction

The UNI-T UT363BT is a compact and versatile digital anemometer designed for measuring wind speed and air temperature. This handheld device is ideal for various applications including HVAC system analysis, outdoor sports, drone operation, and environmental monitoring. Its intuitive design and Bluetooth connectivity allow for easy data recording and analysis.

Key Features:

- Measures wind speeds up to 30m/s with 0.1m/s resolution.
- Measures temperature from 14 to 122 °F (-10°C to 50°C) with 0.2 °F/0.1 °C resolution.
- Bluetooth connectivity for data transfer to iOS/Android iENV App.
- Multiple units for wind speed measurement (m/s, km/h, ft/min, knots, mph).
- Switchable temperature units (°F/°C).
- MAX/AVG data hold function.
- LCD display with white backlight for clear readability.
- Automatic power-off feature to conserve battery life.

2. Product Overview



Front view of the UNI-T UT363BT Digital Anemometer, showing the display and control buttons, alongside two AAA batteries.



The anemometer displayed with its key dimensions: 6.4 inches (16.3 cm) in length, 2.1 inches (5.5 cm) in width, and 1.1 inches (2.8 cm) in thickness.



The anemometer being used to measure airflow from an HVAC vent, demonstrating its practical application in air conditioning maintenance.



The UNI-T UT363BT anemometer shown in its clear retail packaging, alongside the included paper manual and batteries.

3. Setup

Battery Installation:

1. Locate the battery compartment on the back of the device.
2. Open the battery cover by sliding it down or lifting the latch.
3. Insert three (3) AAA 1.5V batteries, ensuring correct polarity (+/-).
4. Close the battery cover securely.

Initial Power On:

Press the power button ( ) to turn on the device. The LCD display will illuminate and show the current wind speed and temperature readings.

4. Operating Instructions

Changing Measurement Units:

Press the **UNIT** button to cycle through different wind speed units: m/s (meters per second), km/h (kilometers per hour), ft/min (feet per minute), knots, and mph (miles per hour).

To switch between Celsius (°C) and Fahrenheit (°F) for temperature, long-press the**UNIT** button.

MAX/AVG Mode:

Press the **MAX/AVG** button to toggle between Maximum (MAX) and Average (AVG) wind speed readings. This allows you to capture peak gusts or calculate the average wind speed over a period.

Data Hold and Backlight:

Press the **HOLD/BL** button to freeze the current reading on the display. Press it again to release the hold.

Long-press the **HOLD/BL** button to turn the LCD backlight on or off, improving visibility in low-light conditions.

Bluetooth Connectivity:

The UT363BT features Bluetooth for connecting to the iENV App on iOS and Android devices. This allows for real-time data recording, export, storage, and analysis. Download the app from Google Play, Apple Store, or the UNI-T website.

5. Maintenance

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the anemometer to extreme temperatures, humidity, or direct sunlight for prolonged periods.
- When not in use for an extended period, remove the batteries to prevent leakage and damage to the device.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel for any repairs.

6. Troubleshooting

No Display/Power Issues:

- Check if the batteries are correctly installed and have sufficient charge. Replace if necessary.
- Ensure the power button is pressed firmly.

Inaccurate Readings:

- Ensure the fan blades are clear of obstructions and spinning freely.
- Avoid strong electromagnetic fields, as they may interfere with readings.
- For low wind speeds, the device may show 0.0 until a certain threshold is met. This is normal behavior for propeller-based units.

Bluetooth Connection Issues:

- Ensure Bluetooth is enabled on your mobile device.
- Make sure the anemometer is within the Bluetooth range.
- Restart both the anemometer and your mobile device.
- Check the iENV App for any updates or troubleshooting guides.

7. Specifications

Feature	Specification
Wind Speed Range	0~30 m/s
Wind Speed Accuracy	±(5%rdg+0.5)
Wind Speed Resolution	0.1 m/s
Temperature Range	-10~50°C / 14~122°F
Temperature Accuracy	±2°C / ±4°F
Temperature Resolution	0.1°C / 0.2°F
Wind Scale	Level 0~12
Sampling Rate	0.5s
Display	32mm x 26mm LCD
Power	3 x 1.5V AAA Batteries
Auto Power Off	5 minutes
Dimensions	6.4 x 2.1 x 1.1 inches (16.3 x 5.5 x 2.8 cm)
Weight	4.2 Ounces (119 g)

8. Warranty and Support

UNI-T provides 7/24 1-to-1 user support. If you encounter any problems during use, please contact UNI-T customer service directly via email. Their team is dedicated to addressing your concerns promptly upon receipt.

For additional resources, including the official User Guide and Installation Manual, please refer to the documents section on the product's Amazon page or the UNI-T official website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question