UNI-T UT363

UNI-T UT363 Mini Handheld Anemometer User Manual

Model: UT363

1. PRODUCT OVERVIEW

The UNI-T UT363 is a compact, handheld anemometer designed for measuring wind speed and temperature. It features a micro magnetic sensor technology for precise measurements, even at low wind speeds. This device is ergonomically designed for ease of use and portability.
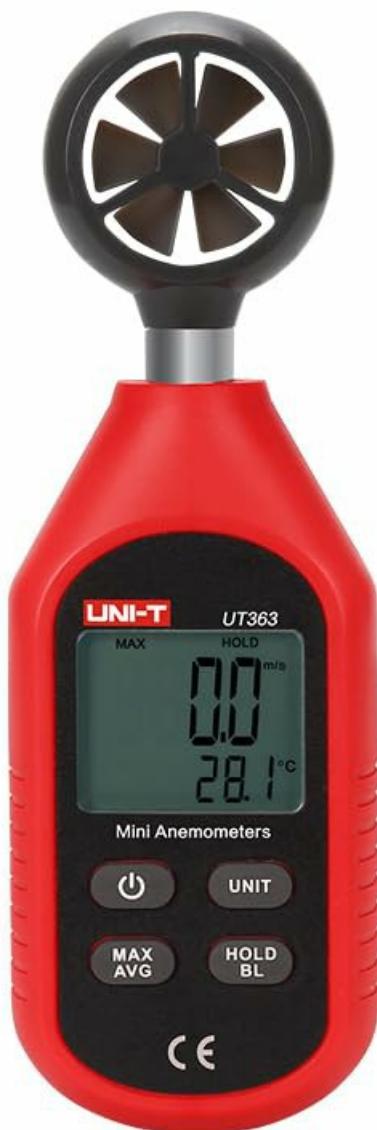
Figure 1: UNI-T UT363 Mini Handheld Anemometer

This image displays the front view of the UNI-T UT363 Mini Handheld Anemometer. The device is red with a black fan-like wind speed sensor at the top and a clear LCD screen in the center. Below the screen are three black buttons: Power, Unit, and Hold/Backlight, and a MAX/AVG button. The CE certification mark is visible at the bottom.

Key Features:

- Mini Anemometer with CE and UKCA Certificates.
- MAX/AVG measurement modes.
- Data hold function.
- LCD backlight for visibility in various lighting conditions.
- Automatic power off to conserve battery life.
- Overload indication.
- Low battery indication.

Outline structure drawing

Wind speed sensor

UNI-T   UT363

MAX   HOLD

0.0 m/s

28.1 °C

Mini Anemometers

LCD display

Off button

Unit conversion key

MAX/Average key

Data hold/backlight button

Figure 2: Labeled components of the UT363 Anemometer

This image provides a detailed, labeled diagram of the UNI-T UT363 anemometer. Key components highlighted include the wind speed sensor, LCD display, power button, unit conversion key, MAX/Average key, and data hold/backlight button.

2. SETUP

2.1 Battery Installation

The UT363 requires 3 x 1.5V AAA batteries (included). To install or replace batteries:

1. Locate the battery compartment cover on the back of the device.

2. Push the battery door downward in the direction of the arrow to open it.

3. Insert the batteries according to the polarity indications (+/-) inside the compartment.

4. Close the battery compartment cover securely.

Figure 3: Battery compartment and installation steps

This image illustrates the battery compartment of the UNI-T UT363. It shows the back of the device with the battery cover open, revealing slots for three AAA batteries. The image also includes a diagram demonstrating how to slide the cover open and insert the batteries correctly, emphasizing the flip-type design for easy replacement and durable copper tripod fixation.

2.2 Power On/Off

- To power on the device, press the **Power** button ($\frac{1}{\top}$).

- To power off the device, press and hold the **Power** button for approximately 2 seconds. The device also features an auto power-off function to save battery.

3. OPERATING INSTRUCTIONS

3.1 Basic Measurement

Once powered on, the device will immediately begin measuring wind speed and temperature. The current readings are displayed

on the LCD screen. Ensure the wind speed sensor (fan) is exposed to the airflow for accurate measurement.

3.2 Unit Switching

Press the **UNIT** button to cycle through the available wind speed units (e.g., m/s, km/h, ft/min, knots, mph) and temperature units (°C, °F).

3.3 MAX/AVG Measurement

Press the **MAX/AVG** button to switch between maximum (MAX) and average (AVG) wind speed readings. This allows you to capture peak wind speeds or calculate the average over a period.

3.4 Data Hold and Backlight

- Press the **HOLD/BL** button once to activate the data hold function, freezing the current readings on the screen. Press it again to release.
- Press and hold the **HOLD/BL** button for approximately 2 seconds to turn the LCD backlight on or off.

3.5 Beaufort Scale Indication

When measuring temperature, the Beaufort scale is displayed on the left side of the screen, providing a visual indication of wind force.

UT363/UT363BT are mini wind speed and temperature meters. UT363 and UT363BT can measure wind speeds up to 30m/s. UT363BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.

(UT363BT) (UT363BT)

UT363BT

Specifications	UT363	UT363BT
Certificates	CE, UKCA	
Wind speed	0~30m/s	0~30m/s
Wind speed accuracy	±(5%+0.5)	±(5%+0.5)
Wind speed resolution	0.1m/s	0.1m/s
Temperature	-10~50°C/14~122°F	-10~50°C/14~122°F
Temperature accuracy	±2°C/±4°F	±2°C/±4°F
Temperature resolution	0.1°C/0.2°F	0.1°C/0.2°F
Wind scale	Level 0~12	Level 0~12
Wind scale accuracy	±1	±1
Sampling rate	0.5s	0.5s
Bluetooth APP		√

Features	
MAX/AVG	Data hold
LCD backlight	Auto power off
Overload indication	Low battery indication

Characteristics	
Standard accessories	Batteries, English manual
Power	1.5V battery (R03) x 3
Display	32 x 26mm
Product size	160 x 50 x 28mm
Product net weight	118g
Standard individual packing	Blister
Standard quantity per carton	UT363: 40pcs; UT363BT: 20pcs
Standard carton measurement	UT363: 505 x 330 x 280mm; UT363BT: 332 x 262 x 290mm
Standard carton gross weight	UT363: 8.42kg; UT363BT: 4.2kg

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Figure 4: Wind power level dynamic indicator bar

This image highlights the 12-level wind speed bar, also known as the wind power level dynamic indicator bar, displayed on the LCD screen of the UNI-T UT363. This feature provides an accurate and easy-to-read visual representation of the current wind force.

3.6 Cold Warning

If the ambient temperature drops below 0°C (32°F) and the wind speed exceeds 25 m/s, a "COLD" warning will automatically appear on the display to alert the user to potentially hazardous conditions.

3.7 Bluetooth Functionality (UT363BT Model)

For the UT363BT model, Bluetooth connectivity allows for data transfer to a mobile application (iENV V2.0). This app can be downloaded from Google Play or Apple App Store. The app enables further analysis, storage, and export of measurement data.

Figure 5: UT363BT with iENV App Integration

This image shows the UNI-T UT363BT anemometer wirelessly connected to a smartphone displaying the iENV app. The app interface mirrors the anemometer's readings, showing wind speed and temperature, and indicates the availability of the iENV app for download.

Video 1: UNI-T UT363 Mini Anemometer Overview and Operation

This video provides an introduction to the UNI-T UT363 Mini Anemometer, demonstrating its ergonomic design and key operational features. It shows how to power on the device, switch between measurement units, use the MAX/AVG function, activate data hold and backlight, and observe the Beaufort scale display. The video also highlights the device's ability to measure wind speed as low as 0.1 m/s and its cold warning feature.

4. Maintenance

4.1 Cleaning

To ensure accurate readings and prolong the life of your anemometer, keep it clean. Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the wind speed sensor is free from dust and debris.

4.2 Battery Replacement

Replace batteries when the low battery indicator appears on the LCD screen. Refer to Section 2.1 for detailed battery installation instructions. Always use new, high-quality AAA batteries.

4.3 Storage

When not in use for an extended period, remove the batteries to prevent leakage. Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

5.1 No Display or Device Not Turning On

- Check if the batteries are installed correctly with the correct polarity.
- Replace the batteries with new ones.
- Ensure the power button is pressed firmly.

5.2 Inaccurate Readings

- Ensure the wind speed sensor (fan) is clean and free from obstructions.
- Verify that the device is held in a position where airflow is unobstructed.
- Check for low battery indication; low battery can affect accuracy.
- Avoid measuring in areas with turbulent or inconsistent airflow.

5.3 Bluetooth Connection Issues (UT363BT Model)

- Ensure Bluetooth is enabled on both the anemometer and your smartphone.
- Make sure the iENV app is installed and updated to the latest version.
- Keep the device within the recommended Bluetooth range of your smartphone.
- Restart both the anemometer and your smartphone, then attempt to reconnect.

6. SPECIFICATIONS

Figure 6: Product Dimensions

This image displays the UNI-T UT363 anemometer with its dimensions indicated. The height is approximately 160mm and the width is approximately 52mm, illustrating its compact and portable design.

Feature	Specification
Model Number	HY-UT363
Product Dimensions	6.5 x 4.33 x 4.72 inches; 1.32 Pounds
Item Weight	0.6 Kilograms
Brand	UNI-T
Material	Acrylonitrile Butadiene Styrene (ABS)
Batteries	1 Lithium Metal batteries required (included) - *Note: Product description states 3xAAA, this specification might be for a different variant or incorrect. Please verify.*
Manufacturer	UNI-Trend
Certificates	CE, UKCA

Feature	Specification
Wind Speed Range	0.1 to 30 m/s
Temperature Range	-10°C to 50°C (14°F to 122°F)
Bluetooth (UT363BT)	Yes

Note: Some specifications, such as battery type, may vary slightly between product listings or regional versions. Always refer to the packaging or included manual for the most accurate information for your specific model.

7. WARRANTY AND SUPPORT

7.1 Warranty Information
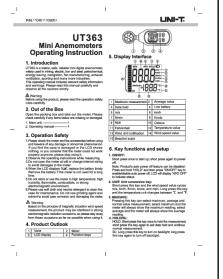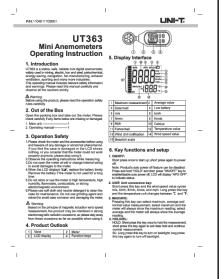
UNI-T products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. The specific warranty period and terms may vary by region and product. Please refer to the warranty card included with your product or visit the official UNI-T website for detailed warranty information.

7.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact UNI-T customer support. Contact details can typically be found on the UNI-T official website or on the product packaging. When contacting support, please have your product model number (UT363) and purchase information ready.
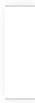
Related Documents - UT363

[UNI-T UT363 & UT363 BT Mini Anemometer Operating Instructions and Specifications](#)
Comprehensive operating instructions and technical specifications for the UNI-T UT363 and UT363 BT Mini Anemometers, covering features, setup, safety, performance, and Bluetooth connectivity.

[UNI-T UT363 Mini Anemometer Operating Instructions and Specifications](#)
Comprehensive operating instructions, technical specifications, and maintenance guide for the UNI-T UT363 Mini Anemometer, detailing its features, functions, and usage.

UNI-T UT3550 Battery Tester User Manual

This comprehensive user manual for the UNI-T UT3550 Battery Tester provides detailed instructions for safe and effective operation. It covers product features, measurement procedures, calibration, comparator functions, safety guidelines, and technical specifications for accurate battery testing.

UT366A Digital Manometer User Manual - UNI-T

User manual for the UNI-T UT366A Digital Manometer, detailing its features, specifications, operation, maintenance, and troubleshooting for measuring gauge and differential pressure, and wind speed.

UNI-T UT363S Digital Anemometer User Manual

User manual for the UNI-T UT363S Digital Anemometer, detailing its features, operation, specifications, and maintenance.
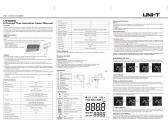
UNI-T UT305S Infrared Thermometer User Manual

User manual for the UNI-T UT305S Infrared Thermometer, detailing its features, specifications, operation, safety instructions, and troubleshooting for non-contact temperature measurement.