

UT363S

Digital Anemometer

User Manual

1. Introduction

UT363S with function is a stable, safe, reliable digital anemometer, widely used in mining, electric, iron and steel, petrochemical, energy-saving, navigation, fan manufacturing, exhaust ventilation, sporting and many more industries.

The device has the following features:

- New infrared emission receiving sensor, highly anti-interference and stability
- Split type, easy to measure
- LCD display, clear reading and directly.

This operating manual includes relevant safety information and warnings. Please read this manual carefully and observe all the cautions strictly.

⚠ Warning : Before using the product, please read the operation safety rules carefully.

2. Out of the Box

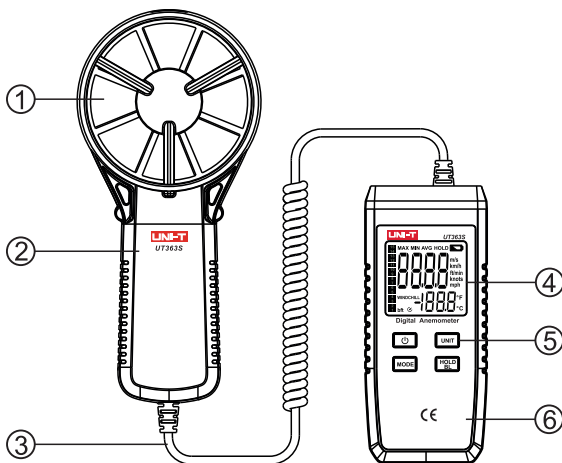
Open the packing box and take out the meter. Please check carefully if any items below are missing or damaged.

Device----- 1
Blister----- 1
User manual----- 1

3. Operation Safety Rules

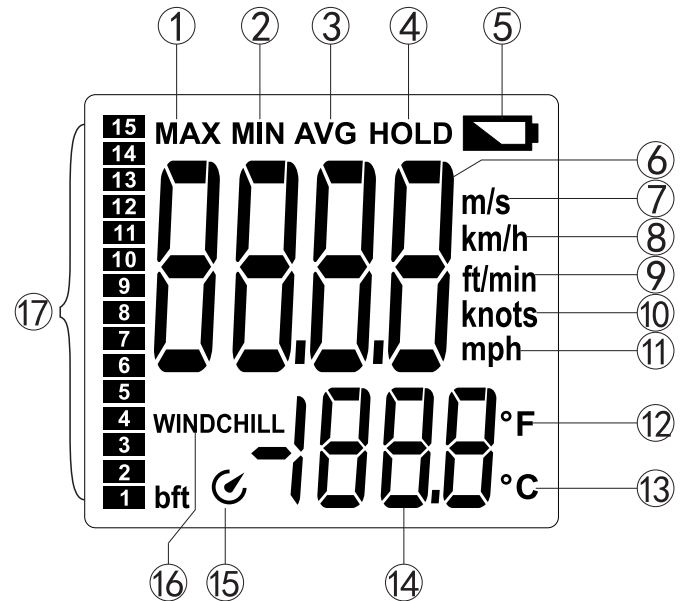
- Please check the meter and the accessories before using and beware of any damage or abnormal phenomenon. If you find the case is damaged or the LCD shows nothing, or you consider that the meter could not work properly anymore, please stop using it.
- Observe the operating instructions while measuring.
- Do not open the meter at will or change internal wiring to avoid damages to the meter.
- When the LCD displays "  ", replace the battery timely. Remove the battery if the meter is not used for a long time.
- Do not store or use the meter in high temperature, high humidity, flammable, combustible, or strong electromagnetic environment.
- Please use soft cloth and neutral detergent to clean the case for maintenance. Do not use grinding agent and solvent to avoid case corrosion and damaging the meter.

4. Product Exterior



1	Wind speed sensor/temperature sensor	4	LCD display
2	Measurement portion	5	Function keys
3	Flexible cord	6	Device

5. Display Interface



1	MAX	10	Knots
2	MIN	11	mph
3	AVG	12	Fahrenheit
4	HOLD	13	Celsius
5	Low battery	14	Temperature value
6	Wind speed value	15	Auto power off indication
7	m/s	16	Wind chill notification
8	km/h	17	Beaufort scale
9	ft/min		

6. Key functions and setup

a . On/Off

When off: long press 1s to start up;

When on: long press 1s to start up/to cancel auto power off; short press again to power off.

b . UNIT: Unit conversion key

Short press this key to cycle between m/s, km/h, ft/min, knots, and mph.

Long press this key to change between °C and °F.

c . MODE: MAX/MIN/AVG

Press this key to select maximum, average or normal mode; select maximum and the meter will always show the maximum reading; select average and the meter will always show the average reading.

d . HOLD/BL

HOLD: Short press this key once to hold the measurement reading; short press this key again to exit data hold and continue normal measurement.

BL: Long press this key to turn on/off backlight.

7. Performance Testing

7.1 Specification

Function	Range	Resolution	Accuracy	Remark
Wind Speed Measurement	0.4~30m/s (Standard)	0~99: 0.01 100~999: 0.1 >1000: 1	±(5%+0.5m/s)	Ambient temperature: 23°C±5°C Ambient humidity: ≤80%RH PUFU Wind rating as reference
	1.4~108 km/h (Reference)		±(5%+1.5km/h)	
	78~5905 ft/min (Reference)		±(5%+100ft/min)	
	0.7~58 knots (Reference)		±(5%+1knots)	
	0.8~67 mph (Reference)		±(5%+1mph)	
Temperature Measurement	-10~50°C	0.1°C	±2°C	
	14~122°F	0.2°F	±4°F	
Wind Rating	0~12	1	±1	

7.2 General Type

- a . LCD display: Wind speed value: 4-bit LCD display;
Temperature value: 3 1/2 bits LCD display
- b . Overload indication: When the wind speed is over 45m/s or the temperature is lower than -10°C or higher than 50°C, "OL" will be displayed
- c . Data hold: Display "HOLD"
- d . MAX/MIN/AVG
- e . Low battery display: Prompt "  ", should replace the new battery in time
- f . LCD Backlight: Manual on or manual off
- g . Sampling rate: 0.5s
- h . Auto power off: No operation will auto power off after about 5 minutes; can be set to not auto power off.
- i . Sensor type: Infrared emission receiving wind speed sensor and NTC
- j . 1m drop test
- k . Power requirement: 1.5V batteries (AAA) *3

8. Environment Limitation

- a . Indoor use
- b . Maximum height: 2000m
- c . Pollution level: 2
- d . Working temperature and humidity: 0 °C~40 °C (< 80%RH)
- e . Storage temperature and humidity: -20 °C~60 °C (< 75%RH)

9. Maintenance

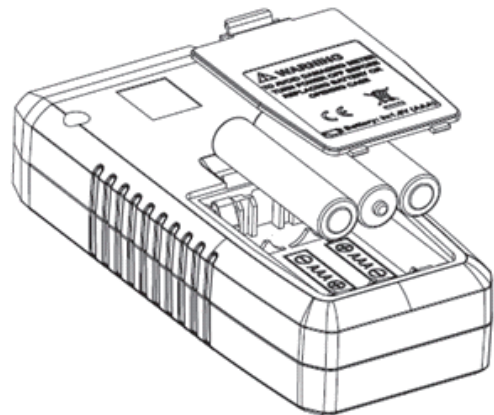
9.1 General Maintenance

 Warning: please do not open the meter case to avoid affecting device accuracy or damage to the meter.

- a . Maintenance and service of the meter should be accomplished by professional personnel or designated maintenance department.
- b . Clean the case by dry cloth periodically, detergent with abrasive or solvent composition shall not be used.

9.2 Battery Installation and Replacement

The meter uses 3 pieces of AAA 1.5V batteries. Please see figure below for steps of battery installation and replacement.



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Warnings and safety information

For all information on handling and use, please refer to the instruction manual or product label. Before using the products, read its contents and follow the instructions contained therein.

Also read the following information before use:

Safety of use

1. Use measuring tools for their intended purpose. Do not use measuring tools for tasks for which they were not designed to avoid damage or erroneous measurement results.
2. Always make sure a tool is in good working condition before using it. Damaged tools, such as cracked cases or damaged displays, can lead to incorrect measurements or risk of accidents.
3. Calibrate measuring tools regularly to ensure accuracy and reliability of measurements. Incorrectly calibrated devices can lead to erroneous results.

Precautions

1. Use appropriate eye protection, especially when working with measuring tools that may emit radiation.
2. Keep measuring tools away from children and untrained people to prevent accidental damage or misuse.
3. Avoid using measuring tools in extreme conditions of temperature, humidity or in an atmosphere with a high concentration of dust, which can affect their accuracy and functionality.
4. Be careful not to damage delicate measuring components (e.g., sensors, probes) when working with measuring tools.

Safe use

1. Always make sure that the measuring tool is properly aligned and fixed to avoid measurement errors or damage.
2. Use measuring tools only in designated areas that provide adequate stability and minimize the risk of accidents, such as slippery or uneven surfaces.
3. Never take measurements on live components or in conditions that may pose a safety hazard.

Rules for use in appropriate conditions

1. Store measuring tools in a dry, cool place, away from moisture and direct sunlight, which can damage the devices or affect their accuracy.
2. When using measuring tools, make sure they are well seated and will not be subjected to shocks or impacts that can damage them.
3. Avoid using measuring tools in areas with extreme conditions, such as high vibration, hot surfaces, dust, or moisture, unless the tool is rated for this by the manufacturer.

Maintenance instructions

1. Regularly check the condition of measuring tools, especially measuring components (e.g., sensors, probes, displays) and batteries.
2. Follow the cleaning instructions provided by the manufacturer. Use appropriate cleaning materials (e.g., soft cloths) to avoid damaging delicate components.
3. Calibrate measuring tools regularly, according to the manufacturer's recommendations, to maintain measurement accuracy.

Safe disposal

1. Dispose of used or damaged measuring tools in accordance with current environmental and electronics recycling regulations.
2. Do not dispose of measuring tools in regular waste containers, as they may contain elements harmful to the environment.
3. Contact local authorities or recycling companies for information on proper disposal of used measuring tools.

Statement of compliance

The products have been designed in accordance with the safety requirements of **Regulation (EU) 2023/988** on general product safety, ensuring their compliance with applicable standards for the safety and health protection of users.

EU REP
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