

UT333S

Digital Temperature Humidity Meter User Manual

Introduction

UT333S is a stable, safe and reliable mini digital temperature humidity meter, which is widely used in grain storage and transportation, file management, material management, forestry and animal husbandry, health care, teaching experiment, public sector and home.

Features:

- Precise temperature and humidity sensor
- Split type design with extendable spring cable for convenient measurement
- LCD screen

Before using this device, please read all safety information, warnings and notes carefully.

Package list

Open the package and take out the meter, please check carefully if the following items are missing or damaged.

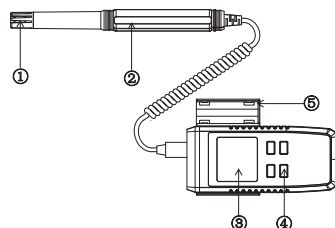
1. A device
2. A temperature and humidity probe
3. A set of blister
4. A manual

Safety information

1. Before using the meter, please check it and the accessories for any damage or anomaly. Do not use the meter if its case is apparently damaged or LCD screen shows nothing or it is suspected not working properly.
2. Please follow the operation instructions during measurement.
3. Do not dismount the device and change the internal wiring.
4. When  symbol appears on the screen, please replace the batteries soon. Take out the batteries if the meter is not used for long time.
5. Do not store or use this meter in high temperature, high humidity, flammable, explosive and strong electromagnetic environments.
6. Please use soft cloth and neutral detergent to clean the case. Do not use abrasant or solvent or it will cause corrosion

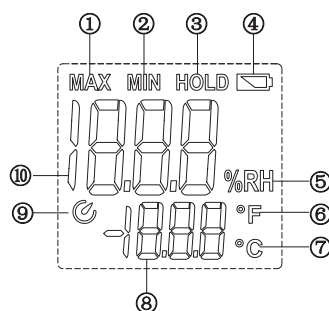
Structure

1. Sensor
2. Test lead handle
3. LCD screen
4. Function key
5. Probe holder



Symbol

1. Maximum value
2. Minimum value
3. Data hold
4. Low power
5. Relative humidity
6. Fahrenheit degree
7. Celsius degree
8. Temperature value
9. Auto power off
10. Humidity value



Buttons & Setting

1. : ON/OFF
Under OFF status: long press this button to turn on the device.
Under ON status: long press this button to enable or disable auto power off function, short press to turn off the device.
2. °C/°F: short press this button to switch temperature units
3. MODE: Short press this button to switch through maximum/minimum/normal value.
4. HOLD/BL: short press this button to enable/disable data hold function, long press this button to turn on/off the backlight.

Technical specifications

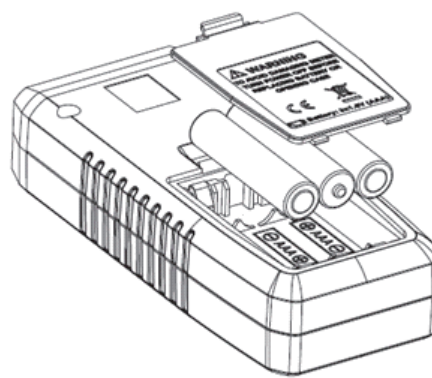
Function	Range	Resolution	Accuracy	Note
Humidity	0 ~ 100.0%RH	0.1%RH	20 ~ 80%RH: ±5%RH Other: ±8%RH	Ambient temperature
Temperature	-10 ~ 60°C	0.1°C	±1.0°C	Ambient humidity
	14 ~ 140°F	0.2°F	±2.0°F	

Function	Description
Unit switch	Selectable temperature unit
Extreme value	Maximum/minimum value
Data hold	HOLD symbol appears
Overload alarm	When the humidity exceeds 100.0%RH, 100.0%RH is shown on the screen; when the temperature exceeds 60°C, OL symbol is shown; when the temperature lower than 20°C, -OL is shown.
Backlight	Backlight function
Auto power off	The device will turn off automatically without operation for 5 minutes
Sampling rage	Once/second
Drop test	1m
Battery	1.5V AAA*3
Operating environment	Indoor 0°C~40°C (≤90%RH)
Storage environment	Indoor -20°C~60°C (≤75%RH)
Altitude	2000m
Pollution grade	2

Maintenance

⚠ Warning: Please do not dismount the case or it will damage the device or influence the accuracy.

- Regularly use dry cloth to clean the case. Do not use detergent containing solvents.
- If the following anomaly occurs, please contact our customer service or sales agents for repair.
- Install or replace the batteries (1.5V AAA*3) according to the figure below:



UNI-T®

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Safety warnings and information

All information regarding operation and use can be found in the operating instructions or on the product label. Read these instructions carefully before using the products and follow the instructions contained therein.

Please also read the following information before use:

Safety precautions

1. Use measuring tools for their intended purpose. Do not use measuring tools for tasks for which they are not designed to avoid damage or incorrect measurement results.
2. Always ensure that the tool is in good working order before use. Damaged tools, such as cracked housings or damaged displays, can lead to incorrect measurements or the risk of accidents.
3. Calibrate measuring tools regularly to ensure their accuracy and reliability. Incorrectly calibrated devices can lead to incorrect 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 persons to prevent accidental damage or misuse.
3. Avoid using measuring tools in extreme temperature or humidity conditions or in atmospheres with high dust concentrations, which may affect their accuracy and functionality.
4. When working with measuring tools, take care not to damage delicate measuring elements (e.g. sensors, probes).

Safe use

1. Always ensure that the measuring tool is properly positioned and secured to avoid measurement errors or damage.
2. Use measuring tools only in designated areas that provide adequate stability and minimise 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 may damage the devices or affect their accuracy.
2. When using measuring tools, make sure they are securely positioned and will not be exposed to shocks or impacts that could damage them.
3. Avoid using measuring tools in extreme conditions, such as high vibrations, hot surfaces, dust or moisture, unless the tool is designed for such use by the manufacturer.

Maintenance instructions

1. Regularly check the condition of measuring tools, especially measuring elements (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 in accordance with the manufacturer's recommendations to maintain measurement accuracy.

Safe disposal

1. Dispose of used or damaged measuring tools in accordance with applicable environmental and electronic recycling regulations.
2. Do not dispose of measuring tools in normal waste bins, as they may contain components that are harmful to the environment.
3. Contact your local authorities or recycling companies for information on the proper disposal of used measuring tools.

Declaration of conformity

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

EU representative

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