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## UEi Test Instruments DTH880

# UEi Test Instruments DTH880 Wall Mounted Temperature and Humidity Tester User Manual

Model: DTH880

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of the UEi Test Instruments DTH880 Wall Mounted Temperature and Humidity Tester. The DTH880 is designed to accurately measure and display ambient temperature and relative humidity, making it ideal for use in various environments such as computer rooms, mechanical rooms, shops, offices, and greenhouses.

Key features include:

- Temperature measurement range: 32°F to 122°F (0°C to 50°C)
- Humidity measurement range: 25% to 95% RH
- Comfort Zone Indicator
- Min/Max Record and Data Hold functions
- Versatile wall or desk mounting options
- Battery powered for portability

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before operating the DTH880. Failure to follow these instructions may result in damage to the device or inaccurate readings.

- Do not expose the device to extreme temperatures or direct sunlight for prolonged periods.
- Avoid exposing the device to water or high humidity environments beyond its specified operating range.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Dispose of batteries properly according to local regulations.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x UEi DTH880 Temperature and Humidity Tester

- Batteries (pre-installed or separate)
- User Manual (this document)

## 4. PRODUCT OVERVIEW

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The DTH880 features a clear LCD display and intuitive controls for easy operation.





Figure 4.1: Front view of the DTH880 unit, displaying temperature and humidity readings, along with control buttons for Celsius/Fahrenheit, Min/Max, Clear, and Hold functions.

## 4.1. Display Elements

- **Temperature Display:** Shows current temperature in Fahrenheit (°F) or Celsius (°C).
- **Humidity Display:** Shows current relative humidity in percentage (%RH).
- **HOLD Indicator:** Appears when the data hold function is active.
- **Comfort Zone Indicator:** A visual cue indicating comfortable temperature and humidity levels.

## 4.2. Control Buttons

- **°C/°F Button:** Toggles the temperature display between Celsius and Fahrenheit.
- **MAX/MIN Button:** Displays the maximum or minimum recorded temperature and humidity since the last reset.
- **CLR Button:** Clears the recorded maximum and minimum values.
- **HOLD Button:** Freezes the current display readings. Press again to release.

# 5. SETUP

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## 5.1. Battery Installation

1. Locate the battery compartment on the back of the DTH880 unit.
2. Open the battery compartment cover.
3. Insert the required alkaline batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

## 5.2. Mounting Options

The DTH880 offers flexible placement options:

- **Wall Mounting:** Use the integrated keyhole slot on the back of the unit to hang it on a screw or nail on a wall. Ensure the mounting surface is stable and the unit is level.
- **Desk Mounting:** Utilize the built-in kickstand on the back of the unit to place it upright on any flat surface, such as a desk or shelf.



Figure 5.1: The DTH880 unit demonstrating its compact size and the kickstand for desk placement.

## 6. OPERATION

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### 6.1. Powering On/Off

The DTH880 powers on automatically once batteries are installed. There is no dedicated power button. To power off, remove the batteries.

### 6.2. Reading Measurements

Once powered on, the current temperature and relative humidity will be displayed on the LCD screen.

### 6.3. Changing Temperature Units (°C/°F)

Press the °C/°F button to switch the temperature display between Celsius and Fahrenheit.

### 6.4. Viewing Min/Max Records

Press the **MAX/MIN** button once to display the maximum temperature and humidity recorded since the last reset. Press it again to display the minimum recorded values. Press a third time to return to current readings.

### 6.5. Clearing Min/Max Records

While viewing MAX or MIN records, press the **CLR** button to clear the stored maximum and minimum values. The display will return to current readings.

### 6.6. Using Data Hold

Press the **HOLD** button to freeze the current temperature and humidity readings on the display. The "HOLD" indicator will appear. Press the **HOLD** button again to release the function and resume live readings.

## 7. MAINTENANCE

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### 7.1. Cleaning

Wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the device.

### 7.2. Battery Replacement

When the display becomes dim or erratic, it is time to replace the batteries. Follow the battery installation steps in Section 5.1. Always replace all batteries at the same time with new ones of the same type.

## 8. TROUBLESHOOTING

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- **No Display / Unit Not Turning On:**

- Check battery installation. Ensure batteries are inserted with correct polarity.
- Replace old or depleted batteries with new ones.

- **Inaccurate Readings:**

- Ensure the unit is placed in a location free from direct drafts, heat sources, or extreme humidity fluctuations.
- Allow the unit to stabilize for at least 15-30 minutes after placement or battery replacement.
- Note that the humidity sensor may not read below 25% RH accurately, as noted by some users. This is within the specified operating range of 25% to 95% RH.

- **Buttons Not Responding:**

- Check battery level. Low batteries can affect button responsiveness.
- Ensure buttons are not stuck or obstructed.

## 9. SPECIFICATIONS

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Feature	Specification
Model Number	DTH880
Temperature Range	32°F to 122°F (0°C to 50°C)
Humidity Range	25% to 95% RH
Power Source	Battery Powered (Alkaline)
Dimensions (L x W x H)	1 x 3.9 x 4.12 inches (approx.)
Item Weight	3.2 ounces (approx.)
Mounting Type	Wall Mount / Desk Stand
Included Components	Batteries, DTH880 unit, Manual

## 10. WARRANTY AND SUPPORT

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### 10.1. Warranty Information


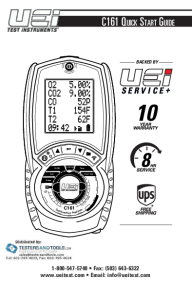



The UEi Test Instruments DTH880 comes with a **1-Year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, or unauthorized repair.

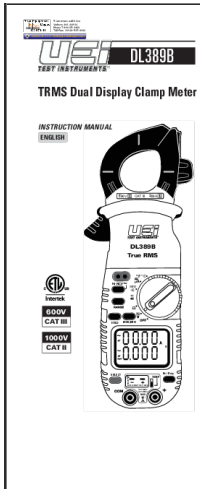
### 10.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact UEi Test Instruments customer support. Refer to the official UEi Test Instruments website for the most current contact information.

You can visit the official UEi Test Instruments store on Amazon for more information: [UEi Test Instruments Store](#)

## Related Documents - DTH880

 <p>1.800.544.2843 www.uei.com sales@uei.com</p>	<p><a href="#">UEi DL200 CATIII Clamp Meter and Voltage Tester Instruction Manual</a></p> <p>Comprehensive instruction manual for the UEi DL200 CATIII Clamp Meter and Voltage Tester, detailing features, specifications, safety warnings, and measurement procedures.</p>
 <p>1.888.947.5248 • Fax: (562) 943-4232 www.uei.com • Email: sales@uei.com</p>	<p><a href="#">UEi C161 Combustion Analyzer Quick Start Guide</a></p> <p>A concise guide to setting up, operating, and maintaining the UEi C161 Combustion Analyzer, covering essential functions, testing procedures, logging, and warranty information.</p>
 <p>www.uei.com 1.800.544.2843</p>	<p><a href="#">UEi PDT655 Differential Back Fold Pocket Thermometer - Accurate Temperature Measurement</a></p> <p>Discover the UEi PDT655, a pocket-sized digital thermometer with a folding back-fold probe. Features include a wide temperature range, Min/Max, backlight, and a large display for accurate liquid and ambient temperature measurements.</p>
 <p>User Manual of Product 1: UEi Test Instruments PDT650 Folding Pocket Digital Thermometer</p>	<p><a href="#">UEi Test Instruments PDT650 Folding Pocket Digital Thermometer User Manual</a></p> <p>User manual for the UEi Test Instruments PDT650 Folding Pocket Digital Thermometer. Features include temperature range, min/max record, magnetic mount, auto power off, and a 1-year warranty.</p>
 <p>www.uei.com 1.800.544.2843</p>	<p><a href="#">Amperímetro de Gancho Digital DL369 Phoenix True RMS - UEI TEST INSTRUMENTS</a></p> <p>Especificaciones técnicas y características del amperímetro de gancho digital UEi DL369 Phoenix True RMS de segunda generación, incluyendo mediciones de voltaje, corriente, resistencia, capacitancia y frecuencia.</p>



[UeI DL389B TRMS Dual Display Clamp Meter Instruction Manual](#)

Comprehensive instruction manual for the UeI DL389B TRMS Dual Display Clamp Meter, covering functions, features, specifications, safety warnings, and operating instructions for various measurements including voltage, current, resistance, capacitance, temperature, frequency, and non-contact voltage detection.