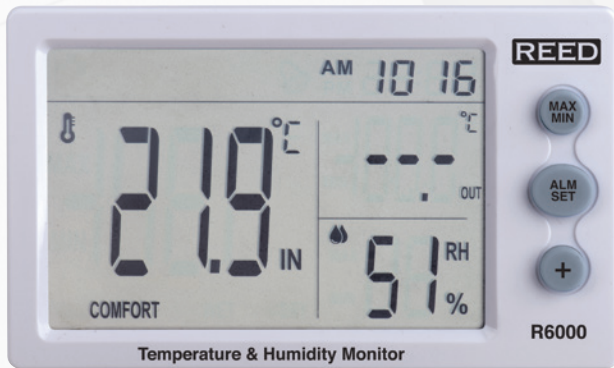


R6000

# REED INSTRUMENTS

## Temperature and Humidity Meter



## Instruction Manual



**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)

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## Introduction

Thank you for purchasing your REED R6000 Temperature and Humidity Meter. Please read the following instructions carefully before using your instrument. By following the steps outlined in this manual your meter will provide years of reliable service.

## Product Quality

This product has been manufactured in an ISO 9001 facility and has been calibrated during the manufacturing process to meet stated product specifications.

## Safety

Never attempt to repair or modify your instrument. Dismantling your product, other than for the purpose of replacing batteries, may cause damage that will not be covered under the manufacturer's warranty. Servicing should only be provided by an authorized service center.

## Features

- Measures indoor/outdoor temperature and humidity
- User selectable unit of measure °F/°C
- Internal memory stores min/max temperature and humidity readings
- Waterproof sensor for outdoor temperature measurement with 6' (72") cable
- Built-in alarm clock and time display
- Desktop or wall mount

## Included

- Sensor Cable
- Battery

# Specifications

## Temperature (IN)

Range:	14 to 122°F (-10 to 50°C)
Accuracy:	14 to 32°F (-10 to 0°C): ±3.6°F (2°C) 32 to 104°F (0 to 40°C): ± 1.8°F (1°C) 104 to 122°F (40 to 50°C): ±3.6°F (2°C)
Resolution:	0.1°F (0.1°C)

## Temperature (OUT)

Range:	-40 to 122°F (-40 to 50°C)
Accuracy:	-40 to 32°F (-40 to 0°C): ±3.6°F (2°C) 32 to 104°F (0 to 40°C): ± 1.8°F (1°C) 104 to 122°F (40 to 50°C): ±3.6°F (2°C)
Resolution:	0.1°F (0.1°C)

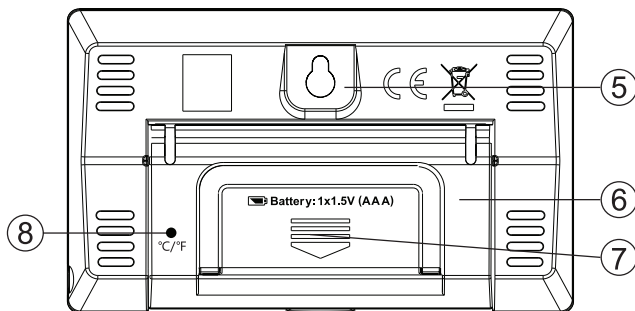
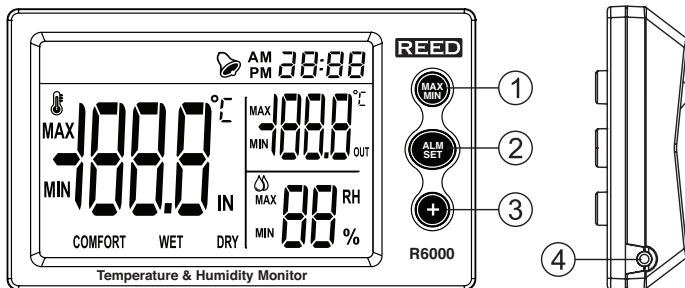
## Humidity

Range:	20 to 95%RH
Resolution:	1%RH
Accuracy:	40 to 80% RH: ±5%RH <40 and >80% RH: ±8%RH

## General Specifications

Humidity Comfort Icons:	Wet/Comfort/Dry
Sampling Time:	10 seconds
Temperature Probe Length:	6' (72")
Alarm Clock/ Time Display:	Yes
Max/Min Functions:	Yes (IN/OUT/RH)
Product Certifications:	CE, RoHS
Battery:	1 x AAA Battery
Operating Temperature:	-10 to 50°C (14 to 122°F)
Dimensions:	5.1 x 1 x 3.1" (130 x 22 x 78mm)
Weight:	3.9oz (110g)

# Instrument Description

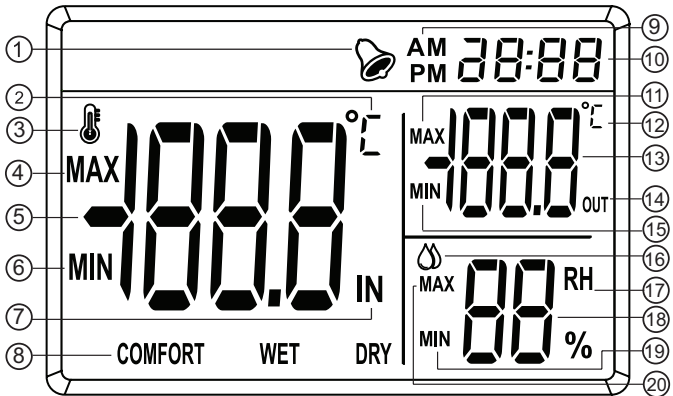


- |                              |                       |
|------------------------------|-----------------------|
| 1. MAX/MIN Value Button      | 5. Wall Mounting Hole |
| 2. Alarm/Clock Set Button    | 6. Kickstand          |
| 3. Increase Digit Button     | 7. Battery Cover      |
| 4. External Probe Input Jack | 8. °C/°F Button       |

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# Display Description




- |   |   |
|---|---|
| 1. Alarm Indicator                                    | 11. Maximum Temperature Value Measured by External Sensor |
| 2. Temperature Unit of Measure (°C/°F)                | 12. Temperature Unit of Measure (°C/°F)                   |
| 3. Temperature Indicator                              | 13. Temperature Value Measured by External Sensor         |
| 4. Maximum Temperature Value Measured by Inner Sensor | 14. External Temperature Sensor Indicator                 |
| 5. Current Temperature Value Measured by Inner Sensor | 15. Minimum Temperature Value Measured by External Sensor |
| 6. Minimum Temperature Value Measured by Inner Sensor | 16. Humidity Indicator                                    |
| 7. Inner Temperature Sensor Indicator                 | 17. Relative Humidity Indicator                           |
| 8. Environmental Comfort Level Indicators             | 18. Humidity Measurement Value                            |
| 9. AM/PM Indicator                                    | 19. Minimum Humidity Value                                |
| 10. Time Indicator                                    | 20. Maximum Humidity Value                                |


# Operating Instructions

## Powering On the Meter

The display should switch on when the battery is installed. If the display does not switch on, replace the battery.


## Clock and Alarm Modes





In order to set the clock or alarm the correct mode must be selected by pressing the  button.

1. When in clock mode the ":" symbol between the hour and minute will flash.
2. When in alarm mode the ":" symbol appears between the hour and minute but does not flash. If an alarm is already set the Alarm icon  will also flash to indicate the alarm mode function.


To toggle between both modes press the  button.







## Setting the Clock

When in clock mode, press and hold the  button for 2 seconds and the clock minutes will flash.

1. To adjust the minutes, press or press and hold the  button until the desired value is reached.
2. Next, press the  button to switch to the hour digit. Press or press and hold the  button until the desired value is reached.
3. Press the  button to toggle the AM/PM indicator on or off. When off, the clock will be displayed in 24 hour format.

## Setting the Alarm

When in alarm mode, press and hold the  button for 2 seconds and the clock minutes will flash.

1. To adjust the minutes, press or press and hold the  button until the desired value is reached.
2. Next, press the  button again to switch to the hour digit. Press or press and hold the  button until the desired value is reached.
3. Press the  button again to set the alarm to on or off. Press the  button to toggle the Alarm icon  on or off.

*continued...*

## *Resetting Maximum and Minimum Readings*

Press the **MAX/MIN** button to toggle between maximum, minimum and real-time values. To reset maximum or minimum readings press and hold the **MAX/MIN** button for 2 seconds in the desired setting. When holding the button for 2 seconds, a beep will sound indicating the memory has been cleared.

## *Selecting the Unit of Measure (°C/°F)*

Using a paperclip, press the °C/°F toggle button on the back of the R6000. When the button is pressed, a beep will sound indicating the unit of measure has been switched.

## **Battery Replacement**

When the battery needs to be replaced, open the battery cover by sliding the cover off in the direction of the arrow (rear of meter). Install a new "AAA" battery and secure the battery cover.

## **Applications**

- Laboratories
- Greenhouses
- Industrial spaces
- Museums
- Residential and commercial buildings

## **Product Care**

To keep your instrument in good working order we recommend the following:

- Store your product in a clean, dry place.
- Change the battery as needed.
- If your instrument isn't being used for a period of one month or longer please remove the battery.
- Clean your product and accessories with biodegradable cleaner. Do not spray the cleaner directly on the instrument. Use on external parts only.



## Product Warranty

REED Instruments guarantees this instrument to be free of defects in material or workmanship for a period of one (1) year from date of shipment. During the warranty period, REED Instruments will repair or replace, at no charge, products or parts of a product that proves to be defective because of improper material or workmanship, under normal use and maintenance. REED Instruments total liability is limited to repair or replacement of the product. REED Instruments shall not be liable for damages to goods, property, or persons due to improper use or through attempts to utilize the instrument under conditions which exceed the designed capabilities. In order to begin the warranty service process, please contact us by phone at 1-877-849-2127 or by email at [info@reedinstruments.com](mailto:info@reedinstruments.com) to discuss the claim and determine the appropriate steps to process the warranty.

## Product Disposal and Recycling



Please follow local laws and regulations when disposing or recycling your instrument. Your product contains electronic components and must be disposed of separately from standard waste products.

## Product Support

If you have any questions on your product, please contact your authorized REED distributor or REED Instruments Customer Service by phone at 1-877-849-2127 or by email at [info@reedinstruments.com](mailto:info@reedinstruments.com).

Please visit [www.REEDINSTRUMENTS.com](http://www.REEDINSTRUMENTS.com) for the most up-to-date manuals, datasheets, product guides and software.

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