

## AcuRite 02043

# AcuRite 02043 Digital Thermometer Instruction Manual

Model: 02043

## INTRODUCTION

The AcuRite 02043 Digital Thermometer provides accurate indoor and outdoor temperature readings, allowing you to monitor environmental conditions with ease. This device features a wireless outdoor sensor and a clear digital display, making it a reliable tool for home temperature management.

Key features include:

- Monitoring of indoor and outdoor temperatures in both Fahrenheit and Celsius.
- Trend arrows indicating whether temperatures are rising or falling.
- A wireless, all-weather outdoor sensor designed for precision and accuracy.
- Display of high and low temperature records for various timeframes (12, 24, 36, 48 hours, and all-time).
- Outdoor sensor transmission via a 433 MHz wireless signal up to a 165-foot (50-meter) range.
- Totally wireless display and outdoor sensor for simple installation.

## PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- Digital Display Unit
- Wireless Outdoor Sensor
- Instruction Manual (this document)



Image: The AcuRite 02043 Digital Thermometer, showing the black-framed indoor display unit on the left and the white wireless outdoor sensor on the right. The display shows an outdoor temperature of 48°F and an indoor temperature of 70°F.

## SETUP

### 1. Battery Installation

Batteries are required for both the digital display unit and the wireless outdoor sensor. Use high-quality alkaline batteries for optimal performance.

1. **For the Digital Display Unit:** Open the battery compartment cover on the back of the display. Insert the required batteries, observing the polarity (+/-) diagrams. Close the cover securely.
2. **For the Wireless Outdoor Sensor:** Open the battery compartment cover on the back of the sensor. Insert the required batteries, observing the polarity (+/-) diagrams. Close the cover securely.

*Note:* It is recommended to install batteries in the outdoor sensor first, then in the display unit, to ensure proper synchronization.

## 2. Sensor Placement

Proper placement of the outdoor sensor is crucial for accurate temperature readings and reliable wireless signal transmission.

- Choose a location that is out of direct sunlight and away from heat sources (e.g., exhaust vents, windows).
- Ensure the sensor is protected from direct precipitation.
- Mount the sensor vertically to allow for proper drainage.
- Place the sensor within the 165-foot (50-meter) wireless range of the display unit, minimizing obstructions like thick walls or large metal objects.



Image: The white AcuRite wireless outdoor sensor is shown hanging from a tree branch, illustrating a typical outdoor placement for temperature monitoring.

## 3. Display Unit Placement

The digital display unit is designed for indoor use.

- Place the display unit on a flat surface, such as a table or shelf, or mount it on a wall using the

integrated keyhole.

- Ensure it is within range of the outdoor sensor and away from direct sunlight or heat sources that could affect its indoor temperature reading.



Image: The AcuRite digital thermometer display unit is positioned on a windowsill next to a potted plant, showing its compact size and suitability for indoor placement.

## OPERATING INSTRUCTIONS

### Reading Temperatures

Once powered on and synchronized, the display unit will show both indoor and outdoor temperatures. The outdoor temperature is typically displayed prominently at the top, with the indoor temperature below.

- **Temperature Units:** The unit can display temperatures in Fahrenheit (°F) or Celsius (°C). Refer to the display unit's buttons (usually a small button on the back or side) to switch between these units.
- **Trend Arrows:** Small arrows next to the temperature readings indicate whether the temperature is rising, falling, or remaining steady. An upward arrow signifies a rising temperature, a downward arrow signifies a falling temperature, and a horizontal arrow indicates a stable temperature.

### Viewing High and Low Records

The AcuRite 02043 tracks high and low temperature records. These records can be viewed for specific time periods or as all-time records.

- Press the "RECORDS" or similar button on the display unit to cycle through the high and low records for the past 12 hours, 24 hours, 36 hours, 48 hours, and all-time.
- To clear the records, typically press and hold the "RECORDS" button for a few seconds until the display resets. Consult the specific button layout on your device.

## MAINTENANCE

## Cleaning

To maintain the accuracy and appearance of your thermometer:

- Wipe both the display unit and the outdoor sensor with a soft, damp cloth.
- Do not use abrasive cleaners or chemicals, as these may damage the plastic housing or electronic components.

## Battery Replacement

Replace batteries in both units when the low battery indicator appears on the display, or if readings become inconsistent. Always replace all batteries in a unit at the same time with new ones of the same type.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature reading / Dashes on display	<ul style="list-style-type: none"><li>• Sensor out of range.</li><li>• Interference from other electronic devices.</li><li>• Low batteries in sensor.</li><li>• Sensor not properly synchronized.</li></ul>	<ul style="list-style-type: none"><li>• Relocate display unit and/or outdoor sensor closer to each other.</li><li>• Move units away from electronics that may cause interference (e.g., TVs, microwaves, computers).</li><li>• Replace batteries in the outdoor sensor.</li><li>• Remove batteries from both units, wait 1 minute, then reinsert batteries into the outdoor sensor first, then the display unit.</li></ul>
Inaccurate temperature reading	<ul style="list-style-type: none"><li>• Sensor exposed to direct sunlight or heat source.</li><li>• Display unit exposed to direct sunlight or heat source.</li></ul>	<ul style="list-style-type: none"><li>• Relocate outdoor sensor to a shaded area.</li><li>• Relocate display unit away from direct sunlight or heat sources.</li></ul>
Display screen not working	<ul style="list-style-type: none"><li>• Low or dead batteries in display unit.</li><li>• Incorrect battery installation.</li></ul>	<ul style="list-style-type: none"><li>• Replace batteries in the display unit.</li><li>• Check battery polarity (+/-) and reinsert correctly.</li></ul>

## SPECIFICATIONS

Feature	Detail
Brand	AcuRite
Model Number	02043
Special Feature	High Accuracy
Color	Black (Display Unit)
Included Components	Digital Display, Wireless Sensor, Instruction Manual
Outer Material	Plastic

Feature	Detail
Certifications	FCC, UL
Display Type	Digital
Connectivity Technology	433 MHz RF
Wireless Range	Up to 165 feet (50 meters)
Product Care	Wipe Clean

## WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts, please visit the official AcuRite website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

You can find more information and support resources at the [AcuRite Store on Amazon](#).