

### Thermometer model 00381



### CONTENTS

Unpacking Instructions .....	2	Troubleshooting .....	5
Package Contents .....	2	Care & Maintenance .....	6
Features & Benefits .....	2	Specifications .....	6
Setup .....	3	FCC Information .....	6
Install or Replace Batteries .....	3	Customer Support .....	7
Temperature Units .....	4	Warranty .....	7
Placement Guidelines .....	4		

**Questions?** Contact Customer Support at (877) 221-1252 or visit [www.AcuRite.com](http://www.AcuRite.com)

**SAVE THIS MANUAL FOR FUTURE REFERENCE.**

# ACURITE®

Congratulations on your new AcuRite product. To ensure the best possible product performance, please read this manual in its entirety and retain it for future reference.

## Unpacking Instructions

Remove the protective film that is applied to the LCD screen prior to using this product. Locate the tab and peel off to remove.

## Package Contents

1. Display
2. Outdoor Sensor
3. Instruction Manual

## IMPORTANT

PRODUCT MUST BE REGISTERED  
TO RECEIVE WARRANTY SERVICE

### PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

[www.AcuRite.com](http://www.AcuRite.com)

## Features & Benefits



## OUTDOOR SENSOR

- 1. Integrated Hanger**  
For easy placement.
- 2. Wireless Signal Indicator**  
Flashes when data is being sent to the display.
- 3. Battery Compartment Cover**

# Features & Benefits



## DISPLAY FRONT

- 1. Outdoor Sensor Signal Strength**
- 2. Indoor or Outdoor Temperature**
- 3. Low Temperature Record**  
Lowest temperature recorded over the past 24 hours.
- 4. High Temperature Record**  
Highest temperature recorded over the past 24 hours.
- 5. Display Low Battery Indicator**
- 6. Indoor or Outdoor Temperature Indicator**  
Indicates which temperature is currently being viewed.
- 7. Indoor or Outdoor Button**  
Press to toggle between indoor and outdoor temperature.

## SETUP

### Install or Replace Batteries

AcuRite recommends high quality alkaline batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended. The outdoor sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the outdoor sensor for temperatures below -4°F / -20°C.



#### Outdoor Sensor

- Slide off the battery compartment cover.
- Insert 2 x AA batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
- Replace the battery cover.

**LITHIUM BATTERIES** **-40°F** (-40°C) (70°C) **158°F**

**ALKALINE BATTERIES** **-4°F** (-20°C) (70°C) **158°F**



## Display

1. Slide off the battery compartment cover.
2. Insert 2 x AAA batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.

## Select Degrees Fahrenheit or Celsius

To select between degrees Fahrenheit (°F) or Celsius (°C) temperature units, press the “°C/°F” button located inside the battery compartment of the display.



### **PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.**

**BATTERY SAFETY:** Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

## Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of both the display and outdoor sensor are critical to the accuracy and performance of this product.



### Display Placement

Place the display in a dry area free of dirt and dust. Display stands upright for tabletop use or is wall-mountable.



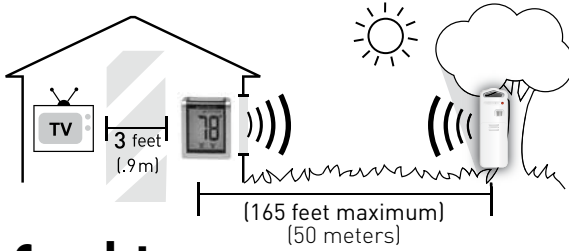
### Outdoor Sensor Placement

Sensor must be placed outside to observe outdoor conditions. Sensor is water resistant and is designed for general outdoor use, however, to extend its life place the sensor in an area protected from direct weather elements.

Hang the sensor using the integrated hang holes or hanger, or by using string (not included) to hang it from a suitable location, like a well covered tree branch. The best location is 4 to 8 feet above the ground with permanent shade and plenty of fresh air to circulate around the sensor.

# Important Placement Guidelines


- To ensure accurate temperature measurement, place units out of direct sunlight and away from heat sources or vents.
- Display and outdoor sensor must be within 165 ft (50 m) of each other.
- To maximize wireless range, place units away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.
- To prevent wireless interference, place both units at least 3 ft (.9 m) away from electronic devices (TV, computer, microwave, radio, etc.)



## Setup is Complete

The sensor will now synchronize with the display. It may take a few minutes for synchronization to complete. Please refer to the troubleshooting section of this manual if anything appears to be functioning improperly.

## Troubleshooting

Problem	Possible Solution
<p><b>No outdoor sensor reception</b></p> 	<p>If the wireless signal indicator shows no bars:</p> <ul style="list-style-type: none"> <li>• Relocate the display and/or the outdoor sensor. The units must be within 165 ft (50 m) of each other.</li> <li>• Make sure both units are placed at least 3 feet (.9 m) away from electronics that may interfere with the wireless communication (such as TVs, microwaves, computers, etc).</li> <li>• Use standard alkaline batteries (or lithium batteries in sensor when temperature is below -4°F/-20°C). Do not use heavy duty or rechargeable batteries. <b>NOTE:</b> It may take a few minutes for display and sensor to synchronize after batteries are replaced.</li> </ul>
<p><b>Outdoor temperature is flashing or showing dashes</b></p>	<p>Flashing of the outdoor temperature is generally an indication of wireless interference.</p> <ol style="list-style-type: none"> <li>1. Bring both the sensor and display indoors and remove at least one battery from each.</li> <li>2. Reinstall the battery in the outdoor sensor.</li> <li>3. Reinstall the battery in the display.</li> <li>4. Let the units sit within a couple feet of each other for a few minutes to gain a strong connection.</li> </ol>

<b>Problem</b>	<b>Possible Solution</b>
<b>Inaccurate temperature</b>	<ul style="list-style-type: none"> <li>• Make sure both the display and sensor are placed out of direct sunlight and away from any heat sources or vents (see page 4).</li> </ul>
<b>Display screen not working</b>	<ul style="list-style-type: none"> <li>• Check that the batteries are installed correctly. Batteries may need to be replaced.</li> </ul>

**If your AcuRite product does not operate properly after trying the troubleshooting steps, visit [www.AcuRite.com](http://www.AcuRite.com) or call (877) 221-1252 for assistance.**

## **Care & Maintenance**

### **Display Care**

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives. Keep away from dust, dirt and moisture. Clean ventilation ports regularly with a gentle puff of air.

### **Outdoor Sensor Care**

Clean with a soft damp cloth. Do not use caustic cleaners or abrasives.

## **Specifications**

<b>TEMPERATURE RANGE</b>	Outdoor: -40°F to 158°F; -40°C to 70°C
	Indoor: 32°F to 122°F; 0°C to 50°C
<b>WIRELESS RANGE</b>	165 ft / 50 m depending on home construction materials
<b>WIRELESS FREQUENCY</b>	433 MHz
<b>POWER</b>	Display: 2 x AAA alkaline batteries Sensor: 2 x AA alkaline or lithium batteries
<b>DATA REPORTING</b>	30 second updates

## FCC Information

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:

- 1- This device may NOT cause harmful interference, and
- 2- This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation of the device.

## Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:



(877) 221-1252

Visit us at [www.AcuRite.com](http://www.AcuRite.com)

- ▶ Installation Videos
- ▶ Register your Product
- ▶ Instruction Manuals
- ▶ Support User Forum
- ▶ Replacement Parts
- ▶ Submit Feedback & Ideas

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