

claities 21

claities Outdoor Rain Gauge with Lights Instruction Manual

Model: 21

[Overview](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Support](#)

1. PRODUCT OVERVIEW

The claities Outdoor Rain Gauge with Lights (Model 21) is designed to measure rainfall and provide ambient lighting in outdoor environments. It features a durable construction, clear measurement scale, and integrated solar-powered lights for automatic illumination after dark. This device is suitable for use in gardens, decks, lawns, patios, and farms.

Auto Charging

Absorb sunlight and charge during the day

Automatic Lighting

Lights automatically when it gets dark every day, without manual turning on

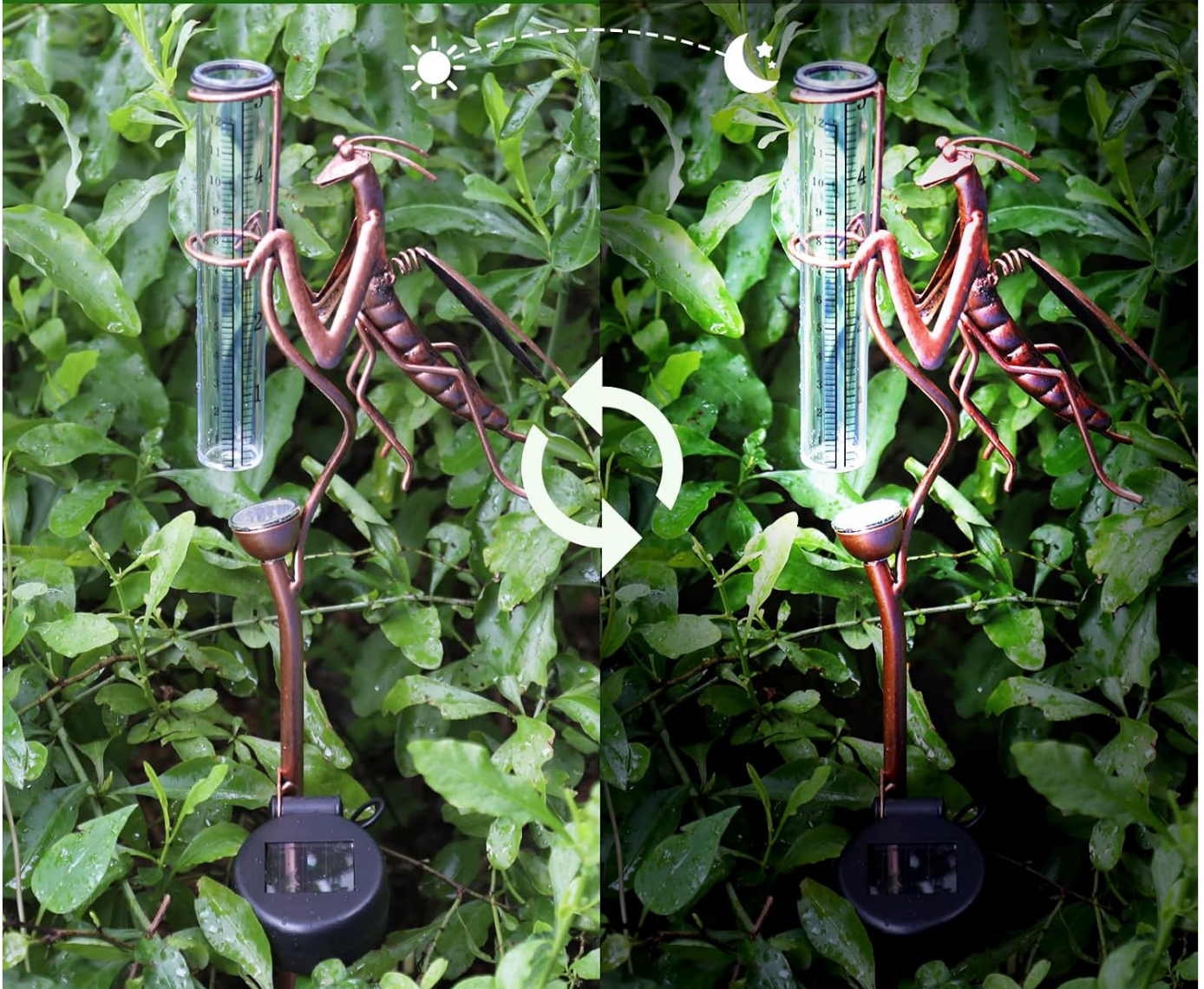


Image: The claities Outdoor Rain Gauge with Lights, featuring a decorative mantis design and a clear rain collection tube.

Key Features:

- **Rainfall Measurement:** Accurately measures precipitation with a clear, bold scale.
- **Solar Lighting:** Integrated solar panel charges during the day and automatically illuminates the gauge at night.
- **Durable Construction:** Made with metal components and a weather-resistant measuring tube.
- **Weather-Resistant:** IP44 waterproof rating ensures reliable performance in various outdoor conditions.
- **Adjustable Height:** Designed for optimal visibility and easy placement.

2. SETUP INSTRUCTIONS

Follow these steps to properly assemble and install your rain gauge:

1. **Unpack Components:** Carefully remove all parts from the packaging. Ensure you have the main stake, the mantis decorative piece with the light and solar panel, and the rain collection tube.
2. **Assemble the Stake:** Connect the mantis decorative piece to the main ground stake. Ensure the connection is

secure.

3. **Select Location:** Choose an outdoor location that receives direct sunlight for most of the day to allow the solar panel to charge effectively. The location should also be open to rainfall and not obstructed by trees or structures.
4. **Insert into Ground:** Firmly push the ground stake into the soil. The gauge stands at approximately 35.5 inches (90 cm) when fully assembled, allowing for optimal visibility.
5. **Insert Rain Tube:** Carefully place the rain collection tube into its designated holder on the mantis structure.
6. **Initial Charge:** Allow the solar panel to charge in direct sunlight for at least 6-8 hours before its first use to ensure the lights function correctly at night.

How To Install



Image: Visual guide demonstrating the four steps for installing the rain gauge: connecting components, inserting into soil, and placing the rain tube.

3. OPERATING INSTRUCTIONS

3.1. Measuring Rainfall

The rain gauge automatically collects rainwater in its measuring tube. The tube features a large, bold scale with clear

numeric markings for easy reading. To read the rainfall amount:

- Observe the water level in the tube.
- Read the measurement at the lowest point of the meniscus (the curved surface of the water).
- The scale is typically marked in inches and/or millimeters.
- After recording the rainfall, empty the tube to prepare for the next measurement period.



Record rainfall to better understand how much water your garden plants need

Image: A close-up view of the rain gauge tube, illustrating how to read the collected rainfall amount.

3.2. Automatic Lighting Function

The integrated solar panel absorbs sunlight during the day to charge the internal battery. The LED lights will automatically turn on when it gets dark and turn off at dawn. No manual operation is required for the lighting function.



Image: Illustration of the automatic charging during the day and automatic lighting at night feature of the rain gauge.

4. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your rain gauge.

- **Cleaning the Rain Tube:** Periodically clean the rain collection tube with mild soap and water to remove dirt, debris, or algae that may affect accuracy or visibility. Ensure it is thoroughly rinsed and dried before reinserting.
- **Cleaning the Solar Panel:** Wipe the solar panel with a soft, damp cloth regularly to remove dust or dirt. A clean solar panel ensures optimal charging efficiency.
- **Winter Care:** While the gauge is weather-resistant, in areas with harsh winters and freezing temperatures, it is recommended to bring the rain collection tube indoors to prevent potential damage from ice expansion. The metal decorative part can remain outdoors.
- **Checking Connections:** Occasionally check that all assembled parts are secure and the stake is firmly in the ground.



Image: A detailed view of the solar panel, emphasizing the area to keep clean for efficient charging.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on at night.	- Insufficient solar charge. - Solar panel is dirty or obstructed. - Battery issue.	- Ensure the gauge is placed in direct sunlight for at least 6-8 hours daily. - Clean the solar panel surface. - Check for any physical damage to the solar panel or wiring. If the issue persists after prolonged charging, contact customer support.
Inaccurate rainfall readings.	- Rain tube is dirty or blocked. - Gauge is not level. - Obstructions above the gauge.	- Clean the rain collection tube. - Ensure the gauge is installed vertically and level. - Relocate the gauge to an open area free from overhead obstructions.
Gauge appears unstable.	- Stake not fully inserted. - Loose connections.	- Push the ground stake deeper into firm soil. - Check all assembly connections to ensure they are tight.

6. SPECIFICATIONS

- Model:** 21
- Product Dimensions:** Approximately 5 x 5 x 25 inches (12.7 x 12.7 x 63.5 cm) assembled height. Total height 35.5 inches (90 cm) including ground stake.
- Item Weight:** 8.4 ounces (238 grams)
- Material:** Metal (mantis, stake), Durable Plastic (rain tube)
- Waterproof Rating:** IP44
- Lighting:** Solar-powered LED
- ASIN:** B0DBV9VZ8N

Product Details



Image: Detailed view of product components including the mantis, solar panel, LED lights, and key dimensions.

7. WARRANTY AND CUSTOMER SUPPORT

The claities Outdoor Rain Gauge with Lights is designed for durability and performance. Should you have any questions, concerns, or require assistance with your product, please contact claities customer support. We are committed to ensuring your complete satisfaction.

Please refer to your purchase documentation or the retailer's website for specific warranty details and contact information.

© 2024 claities. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question