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YZDTECH 3 Layer Rain Gauge with Foot

YZDTECH Rain Gauge Outdoor Instruction Manual

Model: 3 Layer Rain Gauge with Foot

Introduction

This manual provides instructions for the YZDTECH Outdoor Rain Gauge, designed for accurate measurement of rainfall in your garden or yard. The rain gauge features a patented tube mouth design for precise collection and an easy-to-read scale with a red float and blue back strip for clear visibility.

The durable construction, including a thickened plastic tube and cast iron mounting rack, ensures longevity and resistance to outdoor weather conditions.



Image: YZDTECH Rain Gauge in a garden, highlighting its precise measurement, sturdy and durable build, easy readability, and two installation methods.

Package Contents

- Rain Gauge Tube (Thickened Transparent Plastic)
- Metal Mounting Rack Holder (Cast Iron)
- Ground Stake (Integrated with mounting rack)
- Mounting Screws (for fence installation)



Image: Detailed view of the rain gauge tube, illustrating the red float marker for easy reading, large numbers, blue back strip, and the patented bottle mouth design for accurate measurement.

Setup and Installation

The YZDTECH Rain Gauge offers two primary installation methods: mounting to a fence/post or inserting into the ground.

Method 1: Fence or Post Mounting

1. Select a suitable location on a fence or post that is clear of obstructions (trees, overhangs) to ensure accurate rainfall collection.
2. Position the metal mounting rack holder against the chosen surface.
3. Use the provided screws to securely attach the mounting rack to the fence or post. Ensure the rack is level.
4. Carefully insert the rain gauge tube into the holder.

Method 2: Ground Insertion

1. Choose an open area in your garden or yard, away from any structures or foliage that might block rainfall.
2. The mounting rack holder has a pronged foot (stake) integrated for ground insertion.
3. Firmly press or gently push the stake into the soil until the rain gauge is stable and upright. Ensure the gauge is level.
4. Insert the rain gauge tube into the holder.



Image: Illustration of the two installation methods: staking the rain gauge into the ground and mounting it onto a fence or post using screws.

Important: Ensure the rain gauge is installed vertically and in an open area for the most accurate readings.

Operating Instructions

The YZDTECH Rain Gauge is designed for straightforward operation to measure rainfall.

1. **Rainfall Collection:** As rain falls, it will collect in the transparent tube. The patented tube mouth design ensures accurate collection by matching the collection area to the tube body.
2. **Reading Measurement:** The tube features a clear scale with large numbers and a blue back strip for enhanced

visibility. A red float inside the tube will rise with the water level. Read the measurement at the top of the red float.

3. **Emptying the Gauge:** After rainfall, or when you wish to reset the measurement, carefully lift the transparent tube out of the metal holder. Pour out the collected water.
4. **Re-use:** Place the empty tube back into the holder for subsequent rainfall measurements.

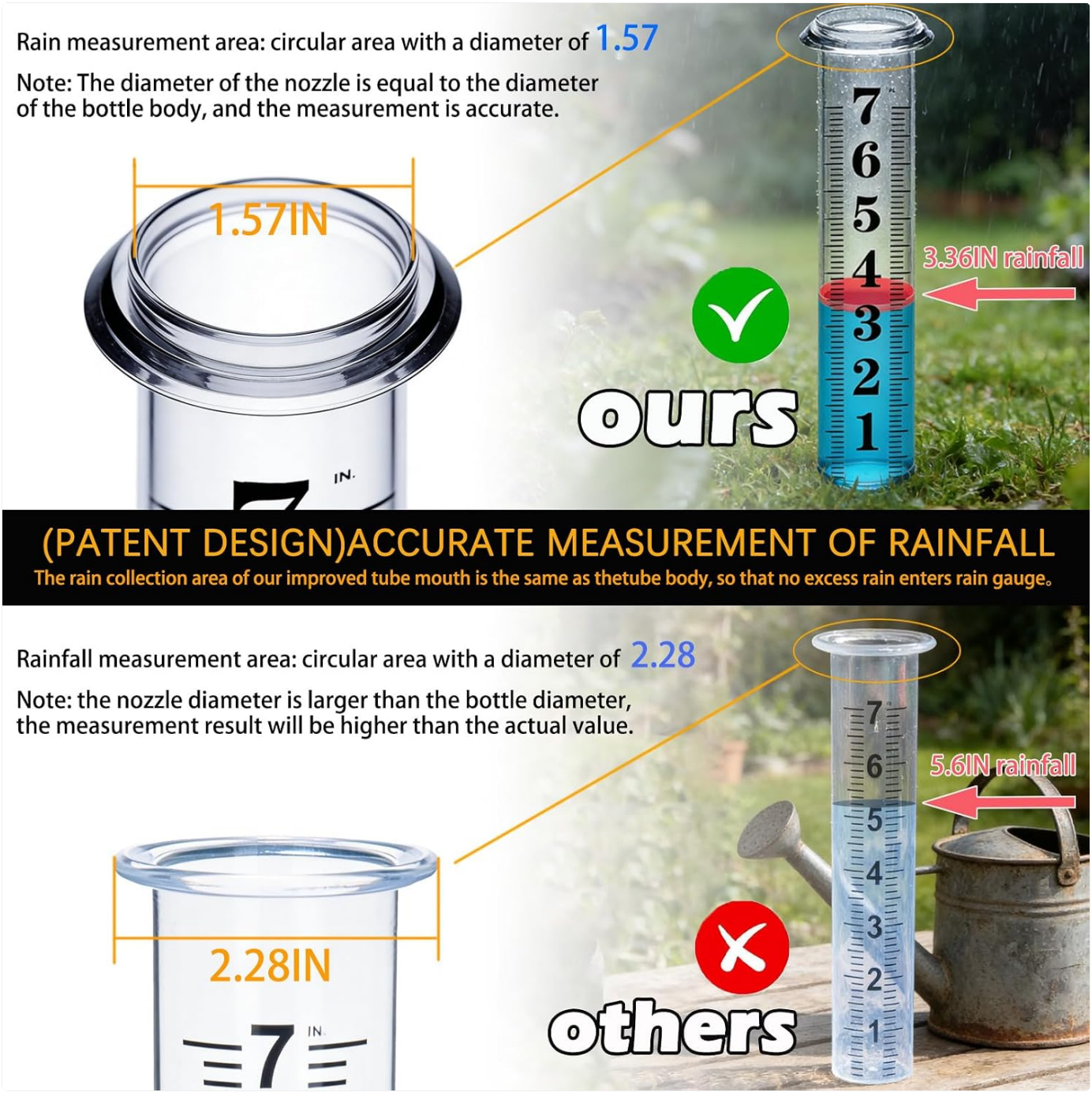


Image: Comparison illustrating the patented design of the YZDTECH rain gauge, which ensures accurate rainfall measurement by matching the tube mouth diameter to the body, unlike other designs that may lead to over-measurement.

Maintenance

Regular maintenance will ensure the longevity and accuracy of your rain gauge.

- **Cleaning:** Periodically clean the transparent tube with mild soap and water to remove dirt, debris, or algae buildup that could obscure readings. Rinse thoroughly.
- **Winter Care:** While the thickened plastic tube is designed to resist freezing and cracking, it is recommended to empty the gauge before freezing temperatures are expected to prevent potential damage from ice expansion.
- **Inspection:** Occasionally check the metal mounting rack for stability and any signs of wear or corrosion. The cast

iron material is durable and designed to resist fading and deformation.

Troubleshooting

Problem	Possible Cause	Solution
Inaccurate Readings	Gauge is not level; obstructions above the gauge; debris in the tube.	Ensure the gauge is installed perfectly level. Relocate the gauge to an open area. Clean the tube thoroughly.
Difficulty Reading Scale	Dirt or algae on the tube; poor lighting conditions.	Clean the transparent tube. Ensure the blue back strip and red float are visible. Check readings in adequate light.
Gauge Tube Appears Damaged	Extreme impact; prolonged exposure to freezing water.	While designed for durability, severe conditions can cause damage. Consider replacing the tube if cracked or broken.

Specifications

- **Model Number:** 3 Layer Rain Gauge with Foot
- **Material:** Thickened Transparent Plastic (Tube), Cast Iron (Mounting Rack)
- **Dimensions:** Approximately 9.45 x 2.6 x 2.56 inches (Package)
- **Item Weight:** 7.4 ounces
- **Measurement Scale:** Inches (with red float and blue back strip)
- **Installation:** Ground stake or fence/post mount



Image: Product size diagram detailing the dimensions of the rain gauge tube and the metal mounting bracket.

Warranty and Support

Specific warranty information for the YZDTECH Rain Gauge is not provided in the product data. For warranty details or technical support, please refer to the product packaging or contact the manufacturer directly through their official channels.

Manufacturer: YZDTECH

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