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› TFA Dostmann Analog Rain Gauge 47.1014 User Manual

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TFA Dostmann Analog Rain Gauge 47.1014 User Manual



1. PRODUCT OVERVIEW

The TFA Dostmann Analog Rain Gauge 47.1014 is a modern, functional device designed for precise measurement of precipitation. Constructed from durable, weather-resistant plastic, it is ideal for outdoor use in gardens, agriculture, and horticulture. Its clear design with a red floating indicator ensures easy and accurate reading of rainfall amounts, even from a distance.

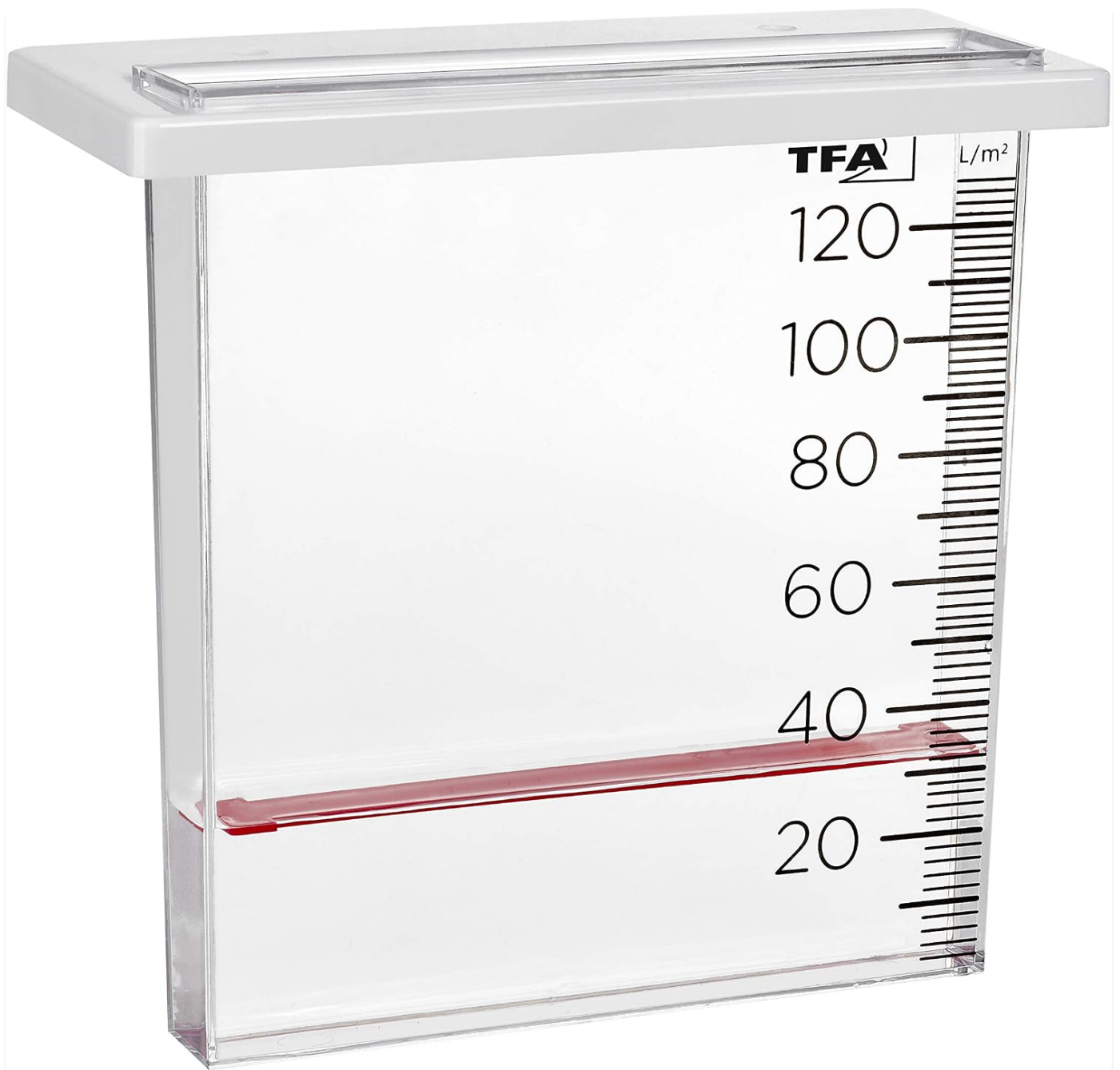


Image 1: Close-up view of the TFA Dostmann Analog Rain Gauge showing the red float and measurement scale.

Key Features:

- **Precise Measurement:** Accurately determines precipitation quantities.
- **Easy Readability:** Red float marks the water level for quick and clear reading.
- **Durable Construction:** Made from weather-resistant plastic for long-term outdoor use.
- **Versatile Mounting:** Includes a practical bracket for easy installation on wooden railings, posts, or fences.
- **Convenient Emptying:** Removable measuring cylinder allows for quick water disposal and immediate reuse.

2. SAFETY INFORMATION

- Read all instructions carefully before use.
- Keep the product out of reach of children.
- Handle the rain gauge with care to avoid damage.
- **Frost Warning:** To prevent damage from freezing, ensure the rain gauge is completely emptied before frost conditions occur. Water expanding when frozen can crack the plastic.

3. PACKAGE CONTENTS

Please check that all items are present in the package:

- TFA Dostmann Analog Rain Gauge (measuring cylinder with float)
- Mounting bracket
- Fixing material (screws/nails, if applicable)
- Instruction manual

4. SETUP

Follow these steps to set up your rain gauge:

1. **Assemble the Rain Gauge:** Insert the red float into the measuring cylinder. Ensure it moves freely.
2. **Attach the Mounting Bracket:** The rain gauge comes with a practical bracket. This bracket can be directly attached to a wooden railing, a post, or a fence using the provided fixing material.
3. **Choose an Optimal Location:** Select an open area away from trees, buildings, or other obstructions that might block rainfall or cause water to drip into the gauge. The gauge should be installed level to ensure accurate readings.
4. **Secure Installation:** Use the provided screws or nails to firmly attach the mounting bracket to your chosen surface. Ensure the rain gauge is stable and cannot be easily dislodged by wind or animals.



Image 2: The rain gauge installed on a wooden railing, demonstrating a typical mounting scenario.

Setup Video:

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Video 1: This video provides a visual guide to the assembly and key features of the rain gauge, demonstrating how to prepare it for use.

5. OPERATION

The TFA Dostmann Analog Rain Gauge operates automatically. As rain falls, it collects in the measuring cylinder, and the red float rises with the water level. The scale on the side of the cylinder indicates the amount of precipitation in millimeters (mm) or liters per square meter (L/m²).

Reading the Rain Gauge:

- Observe the position of the red float against the black scale.
- The top edge of the red float indicates the current precipitation level.
- Read the value directly from the scale.
- For accurate daily or weekly measurements, empty the gauge after each reading or at regular intervals.

6. MAINTENANCE

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

- **Emptying:** The measuring cylinder is removable for convenient emptying. Simply lift the cylinder from its bracket, pour out the water, and replace it.
- **Cleaning:** Periodically clean the measuring cylinder and float with mild soap and water to remove dirt, debris, or algae that could affect accuracy. Rinse thoroughly with clean water.
- **Winter Storage:** During winter months, especially in areas prone to freezing temperatures, it is crucial to empty the rain gauge completely or bring it indoors to prevent damage from ice expansion.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate readings	Rain gauge is not level; obstructions are blocking rainfall; debris inside.	Ensure the rain gauge is installed on a level surface. Relocate if obstructions are present. Clean the cylinder and float.
Red float is stuck or missing	Debris obstructing float movement; float was not included in package.	Clean the inside of the cylinder. If the float is missing, check package contents or contact customer support.
Cracked cylinder	Water froze inside the cylinder.	Replace the damaged cylinder. Always empty the rain gauge before freezing temperatures.

8. SPECIFICATIONS

- **Model Number:** 47.1014
- **Material:** Plastic
- **Dimensions (L x W x H):** 18.8 x 3.6 x 20.3 cm (7.4 x 1.4 x 8 inches)
- **Weight:** 252 grams (0.55 lbs)
- **Color:** Transparent with black accents

