

Restmo O-WM-2-GN

RESTMO Water Flow Meter Instruction Manual

Model: O-WM-2-GN | Brand: Restmo

1. INTRODUCTION

The RESTMO Water Flow Meter is designed to accurately measure water consumption and flow rate for various outdoor applications, including garden hose watering, RV water tank filling, and use with lawn sprinklers and nozzle sprayers. This manual provides detailed instructions for its proper setup, operation, maintenance, and troubleshooting to ensure optimal performance.



Figure 1: RESTMO Water Flow Meter in various usage scenarios.

2. PRODUCT FEATURES

- **Pure Brass Inlet & Metal Thread:** Ensures exceptional durability and effortless installation/removal.
- **Easy-to-Read LCD Screen:** Equipped with a clear display for convenient monitoring.
- **One-Touch Control Button:** Simplifies mode changes and data resets.
- **4 Measurement Modes:**
 - **Flow Mode:** Displays real-time water flow rate.
 - **Consumption Mode:** Shows last-time water usage.
 - **Average Mode:** Calculates daily average water usage over a week (counts from next day).
 - **Total Mode:** Displays total accumulated water usage.

- **Unit Conversion:** Easily switch between US gallons and liters.
- **Automatic Sleep:** LCD screen enters sleep mode after 1 minute of inactivity to conserve battery.
- **High Accuracy:** Built-in Hall type sensor and IC chipset provide accurate measurements with a tolerance of <5%.
- **Rugged & Weatherproof Design:** Made from premium heavy-duty ABS material, resistant to UV, sunshine, and rain (IPX6 waterproof grade).
- **Metal Filter Washer:** Prevents dirt, sediment, and other particles from affecting measurement accuracy.
- **Wide Flow Rate Range:** Measures water flow from 0.3 to 12 GPM (1 to 45.5 LPM).

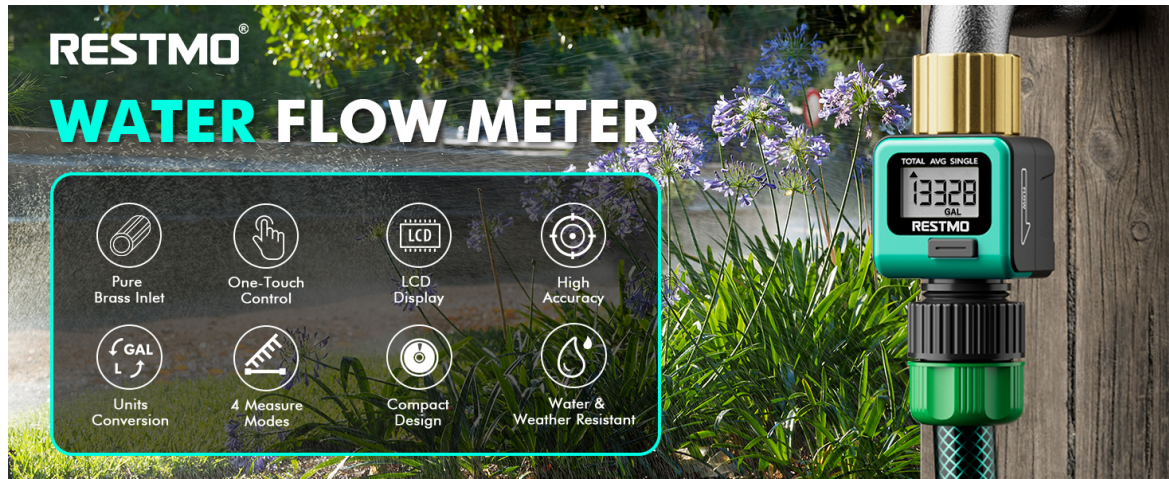


Figure 2: Durable and leak-proof design with 360-degree rotatable brass inlet.



Figure 3: Internal components showing the high-precision Hall sensor.

3. SETUP

3.1 Battery Installation

The water flow meter requires a battery for operation. To install or replace the battery, carefully open the battery compartment. Ensure your hands are dry. Insert a new battery, observing the correct polarity, then securely close the compartment.

3.2 Connecting the Meter

1. Identify the inlet and outlet of the flow meter. The flow direction is indicated by an arrow on the device.
2. Connect the brass inlet of the flow meter to your water source (e.g., outdoor faucet, spigot). The

360° swivel pure brass inlet allows for easy attachment.

3. Attach your garden hose, RV water hose, or other watering equipment to the outlet of the flow meter.
4. Ensure all connections are hand-tight to prevent leaks.



Figure 4: Connecting the water flow meter to a standard hose.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

The LCD screen will automatically activate when water flows through the meter. It will enter sleep mode after 1 minute of inactivity.

4.2 Changing Measurement Modes

Short press the control button to cycle through the four measurement modes:

- **Flow Mode:** Displays the real-time water flow rate (e.g., GAL/Min or LPM).
- **Consumption Mode:** Shows the water usage from the last single watering session.
- **Average Mode:** Displays the daily average water consumption over the last 7 days (starts counting from the next day after initial use).
- **Total Mode:** Shows the cumulative total water consumption since the meter was last reset.



Figure 5: Overview of the 4 measurement modes.

4.3 Unit Conversion (Gallon/Liter)

While in **Flow Mode**, long press the control button to switch the measurement unit between US gallons (GAL) and liters (L).



Figure 6: Switching between gallon and liter units.

4.4 Resetting Data

While in **Consumption Mode**, **Average Mode**, or **Total Mode**, long press the control button to reset the displayed data for that specific mode to zero.

4.5 Optimal Flow Rate

For the most accurate meter readings, adjust the faucet to a moderate flow rate. It is not necessary to turn the faucet to its maximum setting. The measurable flow rate ranges from 0.3 to 12 GPM (1 to 45.5 LPM).

5. MAINTENANCE

5.1 Filter Washer

The meter includes a metal filter washer to prevent debris from entering. Regularly inspect and clean or replace the filter washer to maintain accurate readings and prevent blockages.

**How much water
can fill up
your RV tank?**



Figure 7: Metal filter washer for preventing debris.

5.2 Battery Replacement

When the low battery indication appears on the LCD screen, replace the battery promptly. Ensure the battery compartment remains dry during replacement.

How much water do your plants & lawns need to keep thriving?



Figure 8: Low battery indication on the LCD screen.

5.3 Condensation

If condensation appears on the LCD screen, leave the meter under direct sunlight for a period of time. The fog should dissipate naturally.

6. TROUBLESHOOTING

Refer to the following common issues and their solutions:

6.1 Water Measurement is Not Correct

- Ensure the counting unit (liter/gallon) is correctly set.
- Maximize the faucet water flow to be greater than 1 GAL/MIN (or 3.8 LPM) for accurate readings.
- Reset the TOTAL mode and use the TOTAL mode to measure the water flow for cumulative accuracy.

6.2 LCD Screen Does Not Work Properly or Does Not Count

- Check if the filter washer is clogged with debris. Clean or replace if necessary.
- Inspect the flywheel inside the meter. Check if stones or dirt block the flywheel, or if the flywheel itself is damaged. If blocked, invert the water flow meter and flush the outlet to clear debris.

6.3 LCD Screen is Dead

- Replace the battery with a brand-new one. Ensure it is installed with the correct direction/polarity.
- DO NOT moisten the battery or the battery compartment. Keep your hands dry during replacement.

6.4 Water is Leaking

- Check if the filter washer is clean and undamaged. Replace if worn.
- Ensure the filter washer is correctly in place within the connection.
- Tighten all connections by hand. Avoid overtightening.
- Verify that your faucet thread is a standard 3/4" NH thread for proper compatibility.

6.5 Water Pressure is Restricted

- Clean or replace the filter washer regularly to prevent buildup.
- Check if stones or dirt block the flywheel. If so, invert the water flow meter and flush the outlet to clear the obstruction.

7. SPECIFICATIONS

Model Number	O-WM-2-GN
Brand	Restmo
Color	Gray
Material	Brass (Inlet)
Product Dimensions	1.6"D x 1.6"W x 3.4"H
Item Weight	120 Grams (4.2 ounces)
Number of Settings (Modes)	4
Screen Size	2.28 Inches
Measurable Water Flow Rate	0.3 to 12 GPM (1 to 45.5 LPM)
Measurement Tolerance	<5%
Waterproof Grade	IPX6

8. SAFETY INFORMATION

- Always ensure all connections are securely tightened to prevent water leaks.
- Do not expose the device to extreme temperatures (below freezing or excessively hot) for prolonged periods.
- Keep the battery compartment dry at all times.
- Store the meter in a dry, protected area when not in use, especially during winter months.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your RESTMO Water Flow Meter, please refer to the product packaging or contact Restmo customer service directly. Contact details can typically be found on the manufacturer's website or on the product's retail page.