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> MOES Water Flow Meter TWM-SGS05-US-CU-MS Instruction Manual

MOES TWM-SGS05-US-CU-MS

MOES Water Flow Meter Instruction Manual

Model: TWM-SGS05-US-CU-MS

1. PRODUCT OVERVIEW

The MOES Water Flow Meter is designed to accurately measure water consumption and flow rate for various applications, including RV water tank filling, outdoor garden hose watering, lawn sprinklers, and nozzle sprayers. It features durable brass inlet and outlet connections, a high-definition LCD screen, and multiple measurement modes.



Image: MOES Water Flow Meter and its retail packaging.

2. PACKAGE CONTENTS

- MOES Water Flow Meter (Model: TWM-SGS05-US-CU-MS)
- 1 x 12V Battery (pre-installed or included)
- Instruction Manual (this document)

3. SETUP AND INSTALLATION

Follow these steps to properly install your MOES Water Flow Meter:

1. **Prepare Connections:** Ensure your faucet and hose connections are clean and free of debris. The meter features a 3/4 inch standard faucet hose connection.
2. **Connect Inlet:** Attach the brass inlet of the water flow meter to your water source (e.g., outdoor faucet, spigot). The 360° swivel pure brass inlet allows for easy installation and proper orientation. Hand-tighten

to ensure a secure, leak-proof connection.

3. **Connect Outlet:** Attach your garden hose, sprinkler, or nozzle sprayer to the brass outlet of the water flow meter. Hand-tighten for a secure fit.
4. **Check for Leaks:** Slowly turn on the water supply and check all connections for any leaks. Tighten further if necessary.



Image: Installation of the MOES Water Flow Meter to a faucet and hose, showcasing the brass inlet and outlet.

4. OPERATING INSTRUCTIONS

The MOES Water Flow Meter features an easy-to-read LCD screen and a single control button for navigating through its four measurement modes.

4.1. Measurement Modes

Press the control button to cycle through the following modes:

- **Real-time Flow Rate (FLOW Mode):** Displays the current water flow rate in Liters per Minute (L/Min) or Gallons per Minute (GAL/Min).
- **Last-time Water Volume (SINGLE Mode):** Shows the total water volume consumed during the most recent watering session.
- **Average Daily Water Flow (AVG Mode):** Displays the average daily water consumption over the last 7 days. This calculation begins from the next day after initial use.
- **Total Flow (TOTAL Mode):** Accumulates and displays the total water consumption since the meter was last reset or its total capacity was reached (up to 99999L or 99999GAL).

4.2. Display Orientation

If the display appears upside down, switch the meter to 'AUTO' mode (if available, or cycle through modes until 'AUTO' is indicated), then press and hold the control button to reverse the display orientation. This feature allows for flexible mounting.



MEASUREMENT MODES



Image: Visual representation of the four measurement modes: Single, Flow, AVG, and Total.

5. MAINTENANCE

To ensure optimal performance and longevity of your water flow meter, observe the following maintenance guidelines:

- **Cleaning:** Clean the exterior of the meter with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Temperature:** Operate the meter within the specified water temperature range of 3°C~65°C

(37.4°F~149°F).

- **Storage:** When not in use for extended periods, especially during freezing temperatures (below 0°C / 32°F), disconnect the meter and store it in a dry, protected area to prevent damage.
- **Battery Replacement:** The meter uses one 12V battery. When the battery indicator on the LCD screen shows low power, replace the battery by carefully opening the battery compartment. Ensure correct polarity.
- **Waterproof Rating:** The device has an IPX6 waterproof rating, meaning it is protected against powerful water jets. However, it is not designed for continuous submersion.

6. TROUBLESHOOTING

6.1. Display is Upside Down

This is a design feature for flexible installation. To correct the display orientation, ensure the meter is in 'AUTO' mode (or cycle through modes until 'AUTO' is indicated), then press and hold the control button. The display values will reverse.

6.2. No Reading or Inaccurate Reading

- **Check Connections:** Ensure the meter is securely attached to both the water source and the hose/sprinkler. Loose connections can affect flow.
- **Water Flow:** Verify that water is flowing through the meter. The minimum flow rate is 1 L/Min (0.26 GAL/Min).
- **Battery Level:** Check the battery indicator on the LCD. A low battery can affect performance. Replace the battery if needed.
- **Debris:** Inspect the inlet screen for any debris that might be obstructing water flow or interfering with the sensor. Clean if necessary.

7. SPECIFICATIONS

Feature	Specification
Model Number	TWM-SGS05-US-CU-MS
Inlet & Outlet Material	Pure Brass with Metal Thread
Waterproof Rating	IPX6
Water Flow Rate Range	1 ~ 45.0 L/Min (0.26 ~ 12.0 GAL/Min)
Max Water Consumption	99999 L / 99999 GAL
Working Pressure	0.5 ~ 10.0 Bar
Measurement Tolerance	±5%
Water Temperature Range	3°C ~ 65°C (37.4°F ~ 149°F)
Battery Type	1 x 12V (included)
Product Dimensions	1.9 x 1.7 x 3.6 inches (49 x 43.65 x 91.70 mm)
Item Weight	1.6 ounces

Feature	Specification
Suitable For	Sprinkler, 3/4 inch standard faucet hose



Image: Detailed dimensions of the MOES Water Flow Meter.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or customer service inquiries, please refer to the documentation included with your product packaging or visit the official MOES website. Keep your purchase receipt as proof of purchase.