Insoma SGS04-B

Insoma Water Flow Meter User Manual

Model: SGS04-B

1. Introduction

Thank you for choosing the Insoma Water Flow Meter. This device is designed to accurately measure water consumption and flow rate from your garden hose or faucet, helping you monitor and conserve water usage. Its high precision and IP6X waterproof rating make it suitable for various outdoor and indoor applications.

2. Package Contents

Please verify that all items are present in your package:

- 1 x Insoma Water Flow Meter
- 1 x CR2032 3V Battery
- 1 x User Manual



Image: The Insoma Water Flow Meter, a CR2032 battery, and a tool for opening the battery compartment.

3. Setup and Installation

3.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Use the provided tool (or a coin) to twist the cap counter-clockwise to the unlock direction.

3. Insert the CR2032 3V battery with the positive (+) side facing up.
4. Replace the cap and twist it clockwise to the lock direction until secure.



Image: Visual guide showing steps for battery installation and connecting the meter.

3.2 Connecting the Meter

The Insoma Water Flow Meter features a 3/4" rotating faucet connector and 3/4" hose thread supports for easy attachment.

1. Identify the water inlet and outlet on the meter. The inlet is marked with a "FLOW" arrow indicating the direction of water flow.
2. Attach the inlet side of the flow meter to your garden faucet or water source. Ensure a tight connection to prevent leaks.
3. Connect your garden hose or nozzle to the outlet side of the flow meter.
4. Ensure the meter is installed in the correct direction of water flow for accurate readings.



Image: The water flow meter connected to a faucet, highlighting its components like the button, display screen, and 3/4" outlet.



Image: A close-up view of the "FLOW" arrow on the side of the meter, indicating the correct water direction.

4. Operating Modes

The Insoma Water Flow Meter offers four measurement modes to suit various monitoring needs. Use the button on the front of the device to cycle through these modes.

- **Flow Mode:** Displays the real-time water flow rate (e.g., GAL/Min or L/Min).
- **Consumption Mode:** Shows the water usage for a single session.
- **AVG Mode:** Calculates the average daily water usage over the past week.
- **Total Mode:** Accumulates and displays the total water usage since the last reset.

4.1 Unit Switching

The large LCD screen allows for easy reading. In Flow Mode, press the button to switch the unit format between Liters per Minute (L/Min) and Gallons per Minute (GAL/Min).

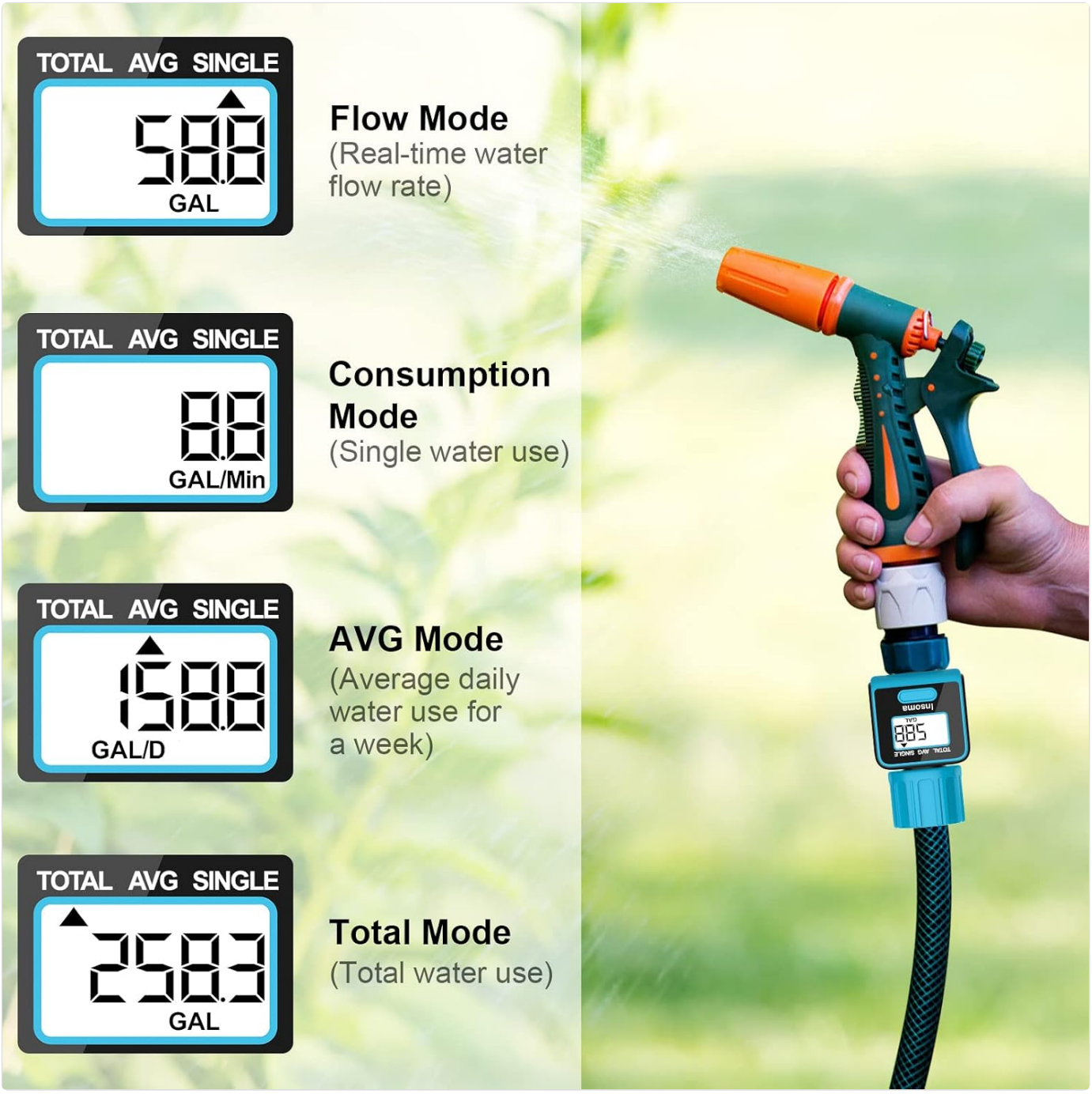


Image: Examples of the display in Flow Mode, Consumption Mode, AVG Mode, and Total Mode.



Image: A closer look at the different display readouts for Real-Time Water Flow Rate, Single Water Consumption, Last 7 Days Average Water Consumption, and Total Water Consumption.

5. Maintenance

5.1 Cleaning

To ensure optimal performance and longevity, regularly clean the exterior of the water flow meter with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the device or its display.

5.2 Battery Replacement

When the display becomes dim or the device stops responding, it is time to replace the CR2032 battery. Follow the steps outlined in Section 3.1 Battery Installation to replace the battery.

6. Troubleshooting

6.1 No Display / Device Not Turning On

- **Check Battery:** Ensure the CR2032 battery is correctly installed with the positive (+) side facing up.
- **Replace Battery:** If the battery is old or depleted, replace it with a new CR2032 battery.
- **Secure Cap:** Make sure the battery compartment cap is fully tightened and in the locked position.

6.2 Inaccurate Readings

- **Flow Direction:** Verify that the meter is installed according to the water flow direction indicated by the arrow on the device.
- **Leaks:** Check for any leaks at the connection points, as this can affect accuracy.
- **Water Pressure:** Ensure the water pressure is within the specified working pressure range (0.5-10.0 Bar).

6.3 Leaks at Connections

- **Tighten Connections:** Ensure all connections to the faucet and hose are securely tightened.
- **Check Gaskets/Washers:** Verify that the rubber gaskets or washers are properly seated and not damaged. Replace if necessary.

7. Specifications



Image: Visual representation of the product's dimensions and key technical specifications.

Feature	Specification
Model	SGS04-B
Water Flow Rate	1-45.5 L/Min (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
Battery Model	CR2032 3V
Material	IPX6 Plastic
Dimensions	4.78 x 9.5 x 5.18 cm
Weight	100 g

8. Warranty and Support

Insoma products are manufactured to high-quality standards. For any questions, technical assistance, or warranty claims, please contact Insoma customer support through the retailer's platform or the official Insoma website. Please retain your proof of purchase for warranty purposes.

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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.

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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