

FMB 026 Bluetooth Water Flow Meter

Instruction Manual




1. Install Batteries

Remove the rear cover from the back of the Water Flow Meter. Follow the instructions on the battery holder to insert two AAA alkaline batteries (Do not mix rechargeable batteries) in the battery compartment; when inserting the battery, pay attention to the + and – markings. Then, put the rear cover back on.



1.1 Changing the Battery

If the indicator appears as “” the battery has to be changed.

2. Technical Data

- Maximum flow rate: 41.9 L/min or 11.0GAL/min
- Maximum water consumption: 99999L or 99999GAL
- Operating voltage: DC2.4V - DC3.4V
- Low voltage indicator: $<2.4V \pm 0.1V$
- Operating current: $\leq 300\mu A$
- Bluetooth range: ≥ 70 meters
- Operating current: $\leq 80\mu A$
- Waterproof rating: IP54
- Maximum tolerance: $\pm 5\%$
- Operating pressure: 0.5bar-8bar
- Standby: ≥ 10 months
- Working temperature: $3^{\circ}C - 65^{\circ}C$
- Storage temperature: $-20^{\circ}C - 70^{\circ}C$
- Maximum humidity: 90%

3. Function Keys

- Press the key to switch working modes.
- In mode 1, mode 3, or mode 4, press the button for 3S to clear the current display data.
- In mode 2, press the button for 3S to switch units of measurement to liters or gallons.
- In mode 5, press the button for 5S to enter the pairing state.
- The LCD screen will enter the sleep mode if there is no action or water flow for 1 minute in any mode. Pressing the button will automatically wake it up into the previous mode.
- The LCD screen has an auto-rotate function.

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The product has five measurement modes: single-use water consumption, real-time water flow rate, daily water consumption, total water consumption, and current time display.



3.1 Mode 1: calculates single-use water consumption



The LCD screen displays "SINGLE" water consumption in liters or gallons. Suppose the flow meter stops running for more than 30 seconds and restarts. In that case, it clears the original accumulated data, begins re-accumulating, and updates the display of real-time water consumption every second.

3.2: Mode 2: measures the real-time flow rate



The screen displays the current flow rate value every second in units of L/Min or GAL/Min. The display does not show the leading zero; the maximum value indicated is 41.9L/Min or 11.0GAL/Min. If the flow rate exceeds this value, it will be displayed as HH.H L/Min or HH.H GAL/Min.

3.3 Mode 3: Daily Water Consumption



The screen shows the total water consumption each day starting at 0:00. The LCD displays the "DAY," and the unit is either L or GAL with a maximum display value of 999999L or 999999GAL.

3.4. Mode 4: Total Water Consumption



The LCD screen displays the total water consumption when the unit is powered on or starts operating. LCD displays the "TOTAL in either liter (L) or gallons (GAL)," and the total water consumption is updated every second.

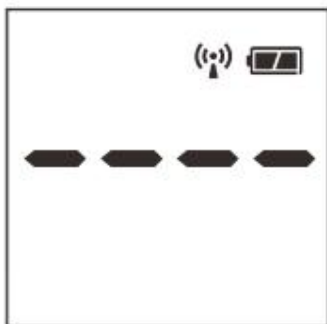
3.5 Mode 5: Current Time



When the LCD is in the off state, press the button to show the current time and connection graph if the product is connected to the smartphone. If disconnected, it will show the disconnection graph. For a paired but disconnected device, it will display "-----." When the product is unpaired, it will show "Uncon." Pressing the button again will switch to mode 1.

4. Add Device

In mode 5, press the button for 5 seconds to enter pairing mode; the screen will show " (i) " with a blink every 0.5 S before connecting the device to the smartphone. Please pair it with the device within 1 minute.



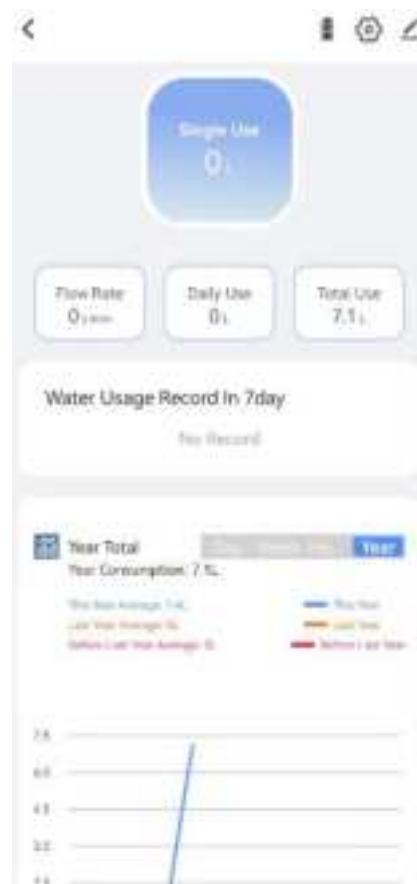
5. Install APP

5.1. Download the Smart Life App

- Scan the QR code below or search for "Tuya Smart."
- Follow the instructions to set up a new account or log in with an existing account.
- Please proceed to the next step if you have already installed the Smart Life APP.



5.2 Once paired, you can monitor the current real-time flow rate and access daily, weekly, monthly, and yearly water consumption.



5.3 On the app, you can view the water usage records for single-use, total water consumption in 24 hours, total water consumed within 1 year, and monthly water consumption for up to 3 years. It can save up to 100 records if the device is disconnected and automatically clears the earliest records when the data exceeds 100

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.