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YoLink YS5007

YoLink FlowSmart Water Meter (Model YS5007) User Manual

Model: YS5007



The YoLink FlowSmart Water Meter is a smart device designed to monitor water usage and detect leaks.

1. Introduction

The YoLink FlowSmart Water Meter (Model YS5007) is a smart water meter controller that provides comprehensive water management and leak detection capabilities. It is designed to monitor your water usage and alert you to potential leaks, helping you conserve water and prevent damage. This device operates using LoRa technology for extended range and is powered by two AA alkaline batteries, offering a battery life of up to 6 years.

Important Note: This product is the sensor unit only. A physical water meter is not included and must be existing or

furnished by the customer. Compatibility with third-party water meters is not guaranteed by YoLink. Additionally, a YoLink Hub is **REQUIRED** for this device to operate.



Overview of the YoLink FlowSmart Meter, highlighting its introduction, key features, technical specifications, and package contents.

2. Package Contents

- YoLink FlowSmart Water Meter Controller (Model YS5007)
- Quick Start User Guide
- Connector
- Two AA Alkaline Batteries (pre-installed or included)

3. Specifications

Model Number	YS5007
Power Source	2 x AA Alkaline Batteries (included)

Battery Life	Up to 6 years
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Housing IP Rating	IP66
Control Method	App, Touch (SET Button)
Wireless Technology	LoRa (Long Range)
Dimensions (L x W x H)	2.95 x 1.06 x 3.54 inches (75.5 x 28 x 92 mm)
Item Weight	5.9 ounces
Compatible Devices	YoLink app (iOS, Android), YoLink Hub (SpeakerHub, Original Hub)

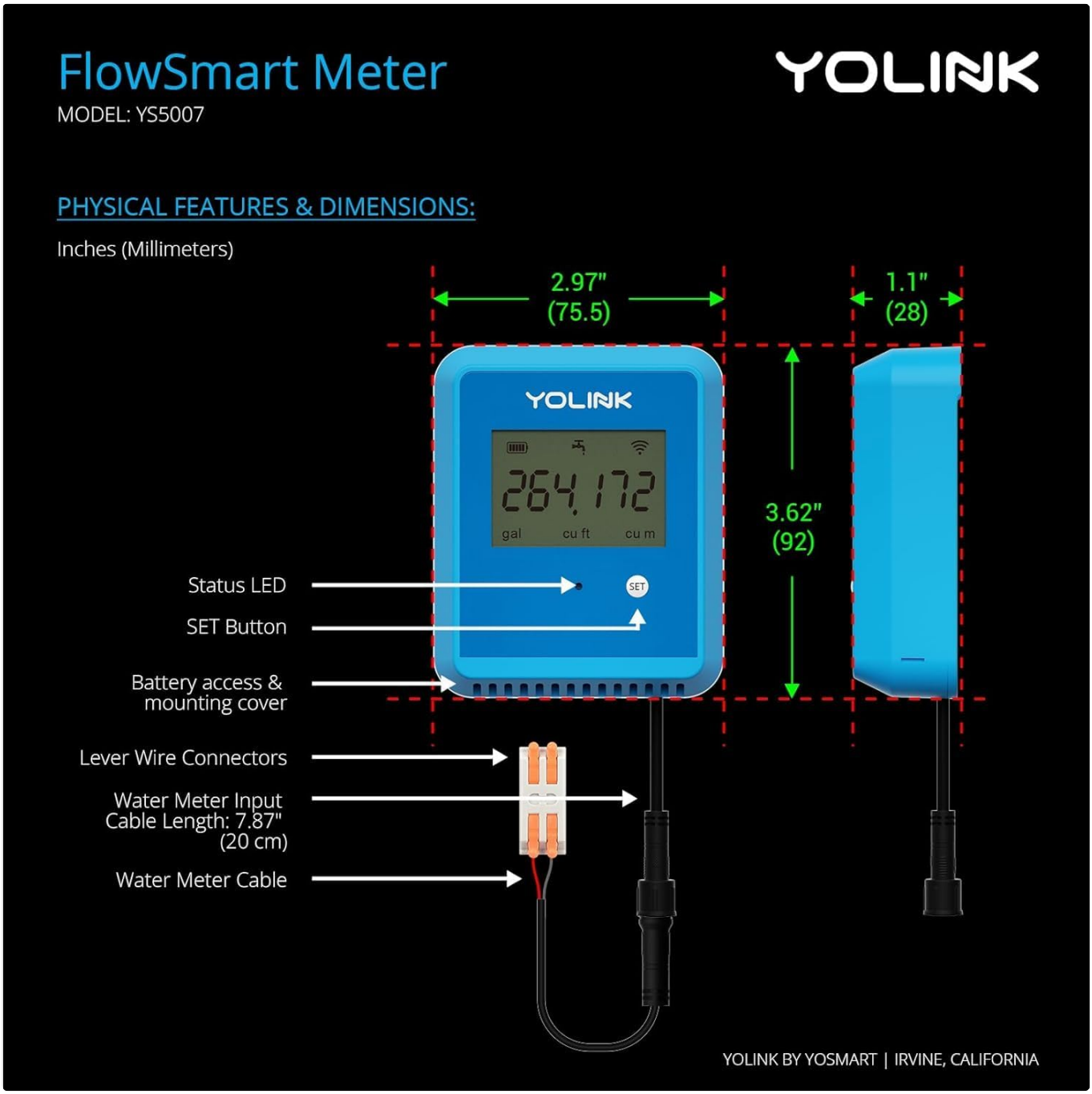


Detailed diagram illustrating the physical features and dimensions of the YoLink FlowSmart Meter (Model YS5007).

4. Setup and Installation

Before you begin, ensure you have a YoLink Hub (e.g., SpeakerHub or Original Hub) installed and connected to your network. The FlowSmart Meter requires a hub to function.

1. **Install Batteries:** Open the battery compartment and insert the two AA alkaline batteries, ensuring correct polarity. The device will power on automatically.
2. **Download YoLink App:** Download the YoLink app from the Apple App Store (for iOS) or Google Play Store (for Android). Create an account or log in.
3. **Add Device to App:**
    - In the YoLink app, tap the "+" icon to add a new device.
    - Select "FlowSmart Meter" from the device list.
    - Follow the on-screen instructions to scan the QR code on the device or manually enter the Device ID.
    - The app will guide you through pairing the device with your YoLink Hub.
4. **Connect to Water Meter:**
    - The FlowSmart Meter connects to an existing water meter that provides a pulse output.
    - Use the provided connector to wire the FlowSmart Meter to your water meter's pulse output. Refer to your water meter's manual for specific wiring instructions.
    - *Tip:* Consider using a 2-pin extension cord for easier splicing of wires to the existing meter, allowing for convenient quick-disconnect connectors.
5. **Mount the Device:** The FlowSmart Meter can be placed on a tabletop or mounted using appropriate hardware (not included). Ensure it is in a location where it can reliably communicate with your YoLink Hub.



The YoLink FlowSmart Meter shown with a YoLink Hub and examples of compatible water meters, emphasizing the need for an existing water meter.

5. Operation

5.1 Device Display and SET Button

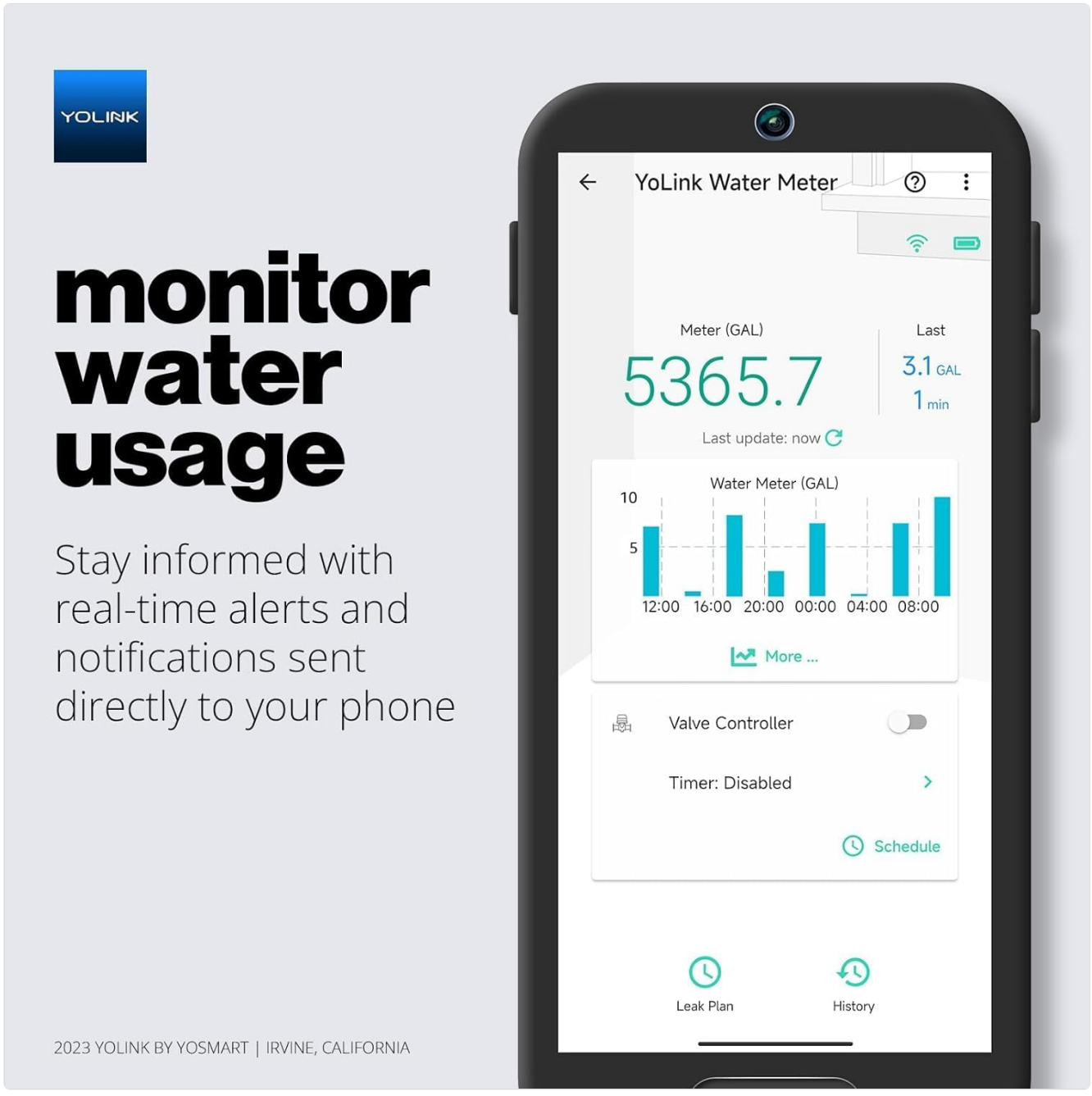
The FlowSmart Meter features a multi-color Status LED and a SET button for user interaction. The display shows current water usage in gallons (gal), cubic feet (cu ft), and cubic meters (cu m).

- **Status LED:** Indicates device status (e.g., network connection, battery level). Refer to the Quick Start Guide for specific LED patterns.
- **SET Button:** Used for initial setup, pairing, or cycling through display modes. Press and hold for specific functions as outlined in the Quick Start Guide.
- **Display:** For optimal energy efficiency, the screen unit intelligently defaults to an "off" setting, activating only when needed or triggered.

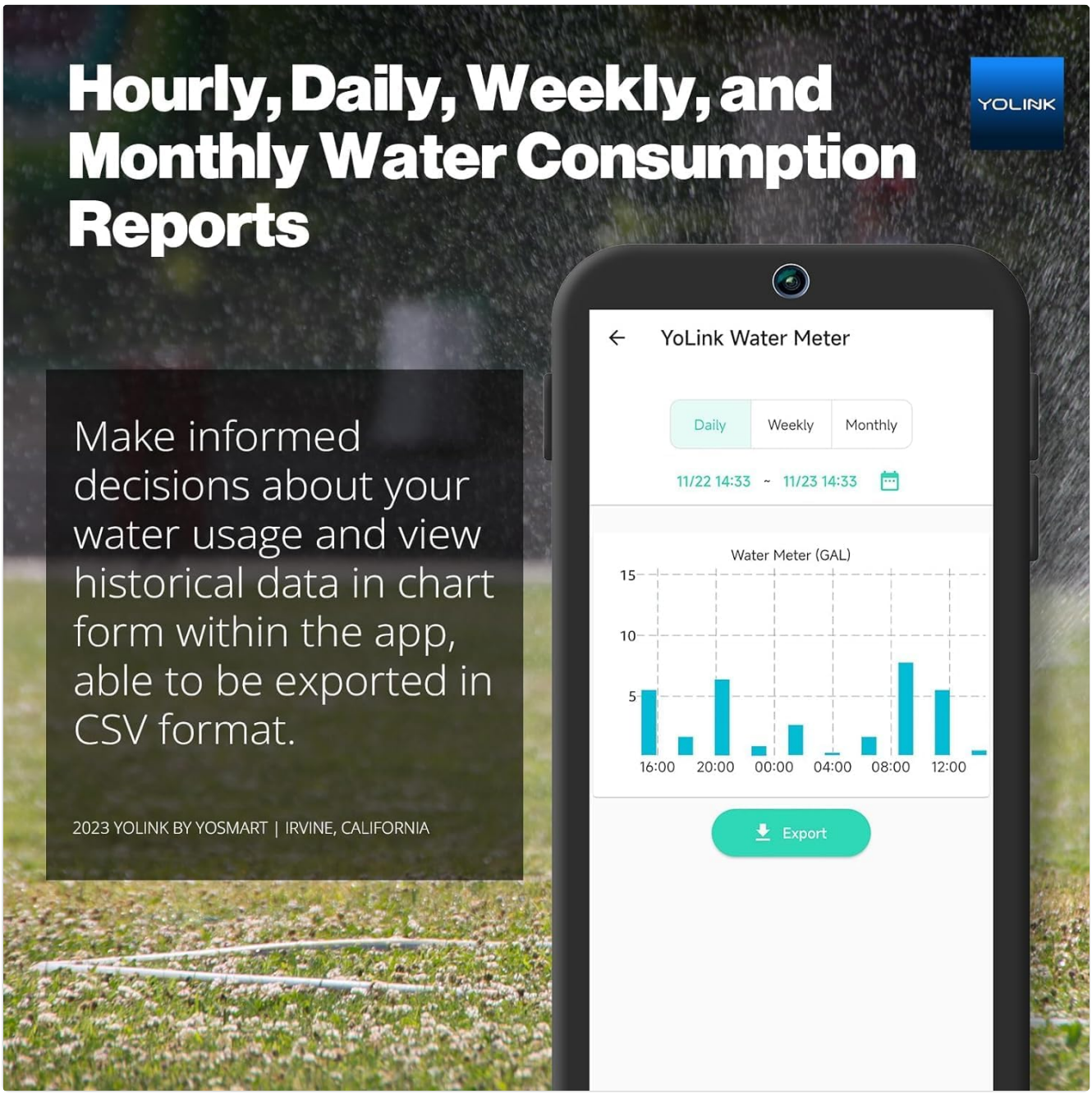
5.2 YoLink App Features

The YoLink app provides comprehensive control and monitoring of your FlowSmart Water Meter.

- **Instant Notifications:** Receive real-time alerts and notifications directly to your mobile device for potential water leaks or unusual usage patterns.
- **Detailed Water Consumption Reports:** Access hourly, daily, weekly, and monthly water usage data. These reports can be saved and exported for analysis, empowering you to make informed decisions about water conservation.
- **Remote Monitoring:** Monitor your water usage from anywhere, anytime, using your mobile device.
- **Customization:** Adjust settings, set thresholds for alerts, and manage other smart home integrations through the app.



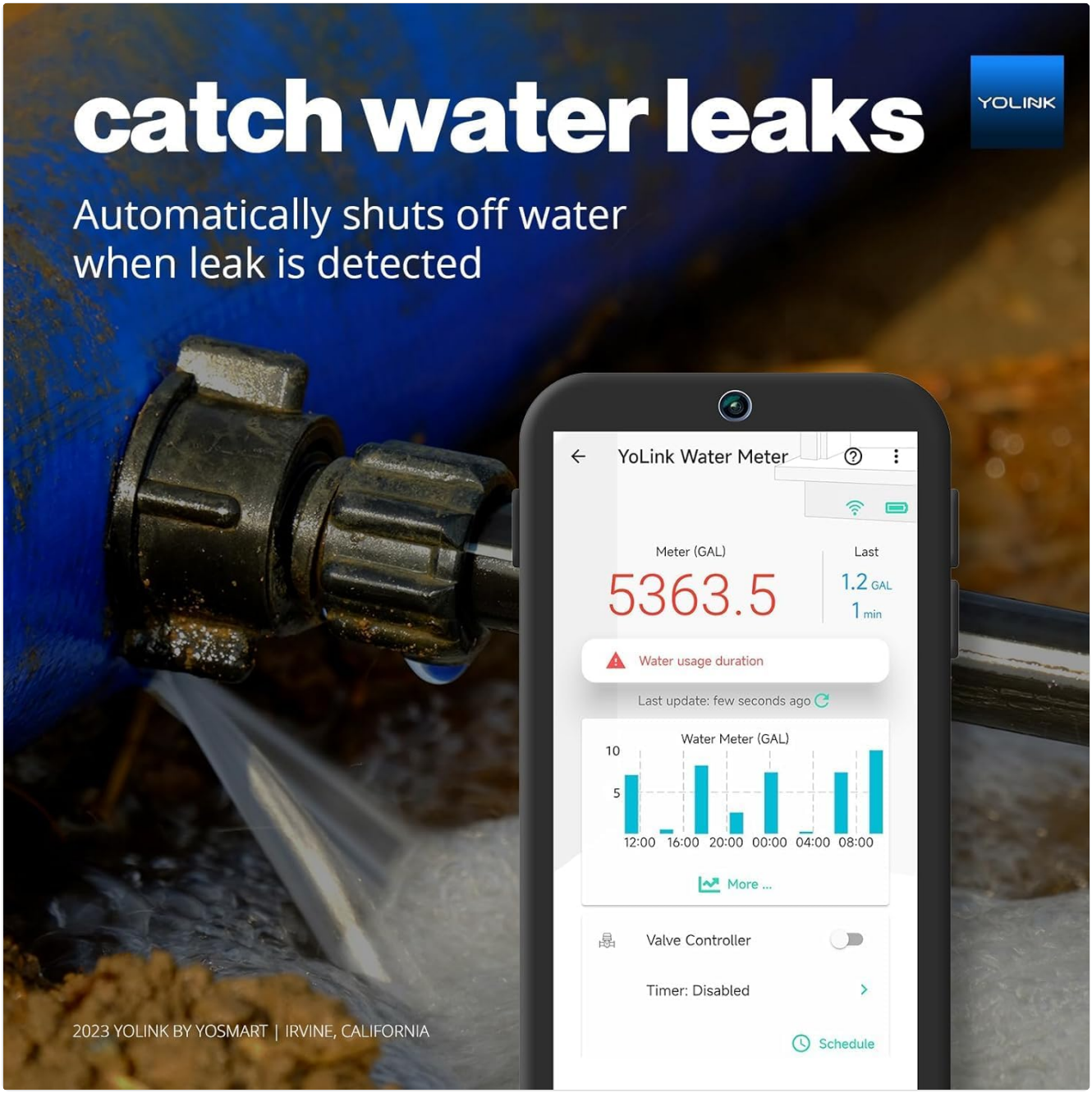
The YoLink app interface displaying real-time water usage and notification options.



Detailed water consumption reports available within the YoLink app, showing historical data and export functionality.



Remote monitoring capabilities of the YoLink app, allowing users to check water usage from any location.



Visual representation of the YoLink FlowSmart Meter's ability to detect water leaks and send instant notifications.

6. Maintenance

- **Battery Replacement:** The FlowSmart Meter uses two AA alkaline batteries. When the battery level is low, you will receive a notification via the YoLink app. To replace, open the battery compartment, remove the old batteries, and insert new ones, ensuring correct polarity. Dispose of old batteries responsibly.
- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Firmware Updates:** YoLink may release firmware updates to improve performance or add new features. Ensure your device is connected to the internet via the YoLink Hub to receive these updates through the YoLink app.

7. Troubleshooting

Problem	Possible Cause / Solution

Device not connecting to app/hub	• Ensure your YoLink Hub is powered on and connected to the internet. • Check if the device batteries are installed correctly and have sufficient charge. • Move the FlowSmart Meter closer to the YoLink Hub to improve LoRa signal strength. • Try re-pairing the device with the app.
Inaccurate water usage readings	• Verify that the FlowSmart Meter is correctly wired to your water meter's pulse output. • Check the pulse rate setting in the YoLink app to ensure it matches your water meter's specifications (e.g., gallons per pulse). This can be adjusted in the app settings for the device. • Ensure the water meter itself is functioning correctly.
No leak detection alerts	• Confirm that leak detection settings are enabled in the YoLink app. • Check notification settings on your mobile device to ensure YoLink app notifications are allowed. • Ensure the device has sufficient battery power.
Short battery life	• Ensure you are using high-quality alkaline batteries. • Extreme temperatures can affect battery performance. • Frequent communication or alerts might slightly reduce battery life, but it should still be long-lasting.

If you encounter issues not listed here or require further assistance, please contact YoLink Customer Support.

8. Warranty and Support

YoLink products typically come with a limited warranty. Please refer to the warranty information provided with your purchase or visit the official YoLink website for detailed terms and conditions.
For technical support, troubleshooting, or warranty claims, please contact YoLink Customer Support through their official website or the YoLink app. You can also visit the YoLink Store on Amazon for additional product information and resources.

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