Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

AP Products 024-1000

AP Products 024-1000 Tank Check LP with Monitor Kit Sensor User Manual

Your guide to accurate LP tank level monitoring.

Introduction

The AP Products 024-1000 Tank Check LP with Monitor Kit provides a reliable solution for monitoring the liquid propane (LP) level in your tanks. This system utilizes unique sensors that accurately measure LP levels and transmit this information to an optional monitor or a Bluetooth-enabled device, allowing for convenient remote monitoring up to 50 feet away, depending on environmental obstructions.

Safety Information

Always prioritize safety when handling LP gas tanks and electronic devices. Ensure proper ventilation when working with LP gas. Do not attempt to modify the sensors or monitor. Keep the device away from extreme temperatures and direct flame. If you suspect a gas leak, immediately turn off the LP supply and ventilate the area. Consult a qualified professional for any gas system repairs.

What's in the Box

- AP Products 024-1000 LP Tank Check Dual Sensor with Monitor Kit
- Required batteries (1 Unknown type, typically CR2032 for sensors and monitor)
- Installation accessories (e.g., aluminum clips for tank spacing)

Product Overview

The Tank Check system consists of two primary components: the LP tank sensors and the monitor unit. The sensors attach to the bottom of your LP tanks, while the monitor displays the current levels.



Image: The complete AP Products 024-1000 Tank Check Kit, showing two black Mopeka sensors and the gray Mopeka monitor unit.

LP Tank Sensors

Each sensor is a compact, rectangular device designed to attach magnetically to the underside of your LP tank. They contain an ultrasonic transducer that measures the liquid level inside the tank. A 'SYNC' button is present on each sensor for pairing and activation.



Image: Close-up of two Mopeka LP tank sensors, showing the 'SYNC' button and the Mopeka logo with a propane tank icon.

Monitor Unit

The monitor unit is a small display panel that receives data from the sensors. It features LED indicators for two tanks (Tank 1 and Tank 2), showing full (F) to empty (E) levels. It also has two buttons, one for each tank, to manually check the levels.



Image: The Mopeka monitor unit, displaying LED indicators for Tank 1 and Tank 2, and two circular buttons for checking levels.

Setup and Installation

1. **Prepare the Tank:** Ensure your LP tank is clean and dry on the bottom surface where the sensor will be attached. For optimal readings, the tank should be as level as possible.
2. **Attach Sensors:** Lay the LP tank on its side for a moment. Attach a sensor to the bottom of the tank using its integrated magnets. Position the small rubber pad on the sensor as close to the center of the tank's bottom as possible.
3. **Activate Sensors:** For first-time use, press the 'SYNC' button on each sensor 5 or 6 times in quick succession to take it out of shipping/battery saver mode.
4. **Install Monitor:** Mount the monitor unit in a convenient location within Bluetooth range of your LP tanks.
5. **Pairing (if applicable):** If using a smartphone app, download the official Mopeka app from your device's app store. The app will detect the sensors. Follow the in-app instructions to configure and name your tanks (e.g., "Driver Side," "Passenger Side"). Adjust tank size settings within the app if your tanks are not standard 20lb (e.g., 30lb).
6. **Improve Reception (Optional):** The kit may include aluminum clips that attach to the base ring of the tanks. These act as "feet" to slightly raise the tank, which can improve Bluetooth signal reception, especially with steel tanks. More durable plastic "halo" rings are also available separately for enhanced stability and reception.

Operation

Using the Monitor Unit

To check the LP level of a tank, press the corresponding button (Tank 1 or Tank 2) on the monitor unit. The LED indicators will illuminate, showing the approximate level from Full (F) to Empty (E). Multiple green lights indicate a full tank, while red lights towards 'E' indicate a low level.

Using the Smartphone App (Bluetooth)

With the Mopeka app installed on your smartphone, you can view real-time LP levels. Ensure your device's Bluetooth is

enabled and you are within range of the sensors. The app provides a more precise percentage reading of the tank's contents.

- **Update Interval:** By default, sensors may update readings every 3 seconds. To conserve battery life, you can change the update interval to 10.5 seconds. To do this, press and hold the 'SYNC' button on the sensor for 5 seconds. This setting can be confirmed in the "Additional Information" section of the tank details within the smartphone app.

Maintenance

- **Battery Replacement:** Each sensor and the monitor unit typically require one CR2032 battery. Replace batteries annually or when the low battery indicator appears. Refer to the specific instructions for opening the sensor/monitor to replace the battery.
- **Cleaning:** Keep the sensor's rubber pad and the tank's bottom surface clean and free of debris for accurate readings. Wipe with a damp cloth as needed.
- **Tank Refills/Exchanges:** If you regularly remove tanks for refilling or use tank exchange services, remember to carefully remove the sensor from the old tank and reattach it to the new tank. Handle sensors with care to avoid damage or loss.

Troubleshooting

Problem	Possible Cause	Solution
Inaccurate Readings	◦ Sensor not centered or properly attached. ◦ Tank not level. ◦ Debris on tank bottom or sensor. ◦ Signal interference (thick tank walls, obstructions).	◦ Re-position sensor to the center of the tank bottom. ◦ Ensure tank is on a level surface. ◦ Clean tank bottom and sensor pad. ◦ Use aluminum clips or a "halo" ring to raise the tank slightly for better signal.
Sensor Not Connecting/Reading	◦ Sensor not activated. ◦ Low or dead battery. ◦ Out of Bluetooth range. ◦ Defective sensor.	◦ Press 'SYNC' button 5-6 times rapidly to activate. ◦ Replace CR2032 battery. ◦ Move closer to the tank/sensor. ◦ Contact AP Products customer support for assistance.
Monitor LEDs Flashing Erratically	◦ Weak signal from sensor. ◦ Low battery in monitor or sensor.	◦ Check sensor placement and range. ◦ Replace batteries in both sensor and monitor.

Specifications

- **Model:** 024-1000
- **Product Type:** LP Tank Level Sensor with Monitor Kit

- **Connectivity:** Bluetooth
- **Power Source:** CR2032 batteries (for sensors and monitor)
- **Dimensions (Packaging):** Approximately 5.25 x 1 x 9 inches
- **Item Weight:** 5.3 ounces (product only, package weight is 1.0 lbs)
- **Country of Origin:** China
- **Fit Type:** Universal Fit (for LP tanks)
- **Operation Mode:** Automatic (level detection)

Warranty and Support

AP Products offers a 5-year warranty on the Tank Check LP with Monitor Kit. For warranty claims, technical support, or any product-related inquiries, please contact AP Products customer service directly. Ensure you have your product model number (024-1000) and proof of purchase available when contacting support.
For the most up-to-date contact information, please refer to the official AP Products website or the documentation included with your purchase.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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