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Rothenberger 150002241

ROTHENBERGER RO-Leak PRO Leak Detector (Model 150002241) User Manual

Comprehensive instructions for safe and effective operation.

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your ROTHENBERGER RO-Leak PRO Leak Detector, Model 150002241. Please read these instructions carefully before using the device to ensure safe and efficient performance.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the device:

- Read and understand all instructions before use.
- Do not expose the device to extreme temperatures, moisture, or direct sunlight.
- Use only the specified battery type and ensure correct polarity during installation.
- Do not attempt to repair or modify the device. Refer all servicing to qualified personnel.
- Keep the device away from children.
- Ensure adequate ventilation when working with refrigerants.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ROTHENBERGER RO-Leak PRO Leak Detector unit
- Instruction Manual
- Carrying Case
- Batteries (AA, quantity 4)
- Small bottle (e.g., for sensor cleaning or calibration fluid)



Image 1: Contents of the ROTHENBERGER RO-Leak PRO Leak Detector kit, including the detector unit, instruction manual, batteries, and a small bottle, all neatly arranged within a red protective carrying case.

4. PRODUCT OVERVIEW

The ROTHENBERGER RO-Leak PRO is a professional leak detector designed for refrigerants. It features a flexible probe for reaching confined spaces and an intuitive interface for ease of use.

Key Components:

- **Detection Probe:** Flexible arm with sensor tip for pinpointing leaks.

- **Control Panel:** Buttons for power, sensitivity adjustment, and mode selection.
- **Display/Indicators:** Visual and/or audible indicators for leak detection.
- **Battery Compartment:** Located at the handle for battery installation.

5. SETUP

5.1. Battery Installation

1. Locate the battery compartment cover on the handle of the device.
2. Open the cover by sliding or unscrewing it.
3. Insert four (4) AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

5.2. Initial Checks

- Ensure the probe is securely attached to the main unit.
- Check that the sensor tip is clean and free from obstructions.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

- To power on, press and hold the **POWER** button until the device activates.
- Allow the device to warm up for approximately 30-60 seconds. It may emit a continuous tone during this period.
- To power off, press and hold the **POWER** button again until the device shuts down.

6.2. Sensitivity Adjustment

The RO-Leak PRO features adjustable sensitivity levels to adapt to different detection environments and leak sizes.

- Press the **SENSITIVITY** button (often marked with '+' or '-') to cycle through available sensitivity levels.
- Start with a lower sensitivity for general scanning and increase it to pinpoint smaller leaks.

6.3. Leak Detection Procedure

1. Ensure the area is well-ventilated and free from strong drafts that could disperse refrigerant.
2. Move the probe slowly (approximately 1-2 inches per second) along the suspected leak area, keeping the tip close to the surface.
3. Pay close attention to joints, connections, and areas where refrigerant lines are routed.
4. If a leak is detected, the device will typically emit an audible alarm and/or display a visual indication (e.g., flashing LEDs).
5. To confirm the leak, move the probe away from the area and then slowly approach it again. A consistent alarm indicates a leak.

6.4. Interpreting Signals

- **Continuous Tone/Steady Light:** Indicates the presence of refrigerant. The intensity or frequency may increase with higher concentrations.
- **Intermittent Tone/Flashing Light:** May indicate a very small leak or background refrigerant levels. Adjust sensitivity as needed.

- **No Signal:** No detectable refrigerant leak in the immediate area.

7. MAINTENANCE

7.1. Cleaning

- Wipe the exterior of the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Keep the sensor tip clean and free of dust, dirt, or moisture. Use a cotton swab or soft brush if necessary.

7.2. Sensor Replacement

The sensor is a consumable part and may require replacement over time. Refer to the specific instructions provided with replacement sensors or contact ROTHENBERGER customer support for guidance.

7.3. Storage

- When not in use, store the leak detector in its protective carrying case.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity; replace with fresh batteries.
No detection signal.	Low sensitivity setting; sensor dirty or faulty.	Increase sensitivity; clean sensor tip; consider sensor replacement.
Constant alarm/false positives.	High background refrigerant levels; sensor contaminated; too high sensitivity.	Move to a clean air environment to reset; clean sensor; decrease sensitivity.
Weak or inconsistent signal.	Low battery power; sensor nearing end of life.	Replace batteries; consider sensor replacement.

9. SPECIFICATIONS

- **Model Number:** 1500002241
- **Manufacturer:** Rothenberger
- **Item Weight:** 2.39 pounds
- **Product Dimensions:** 1.57 x 1.57 x 0.79 inches
- **Power Source:** Battery Powered
- **Batteries Required:** Yes
- **Item Package Quantity:** 1
- **ASIN:** B08H5SYZ32
- **Date First Available:** September 8, 2020

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact ROTHENBERGER customer service or visit their official website. Keep your purchase receipt as proof of purchase.

ROTHENBERGER Official Website: www.rothenberger.com