

SDI SOLO809

SDI SOLO809 Smoke Detector Test Equipment User Manual

1. INTRODUCTION

This manual provides instructions for the safe and effective use of the SDI SOLO809 Smoke Detector Test Equipment. This kit is designed for functional testing of both commercial and residential smoke detectors, ensuring they respond correctly to simulated smoke conditions. The system utilizes a 15 ft fiberglass telescopic pole for reaching detectors at various heights and includes silicone-free Smoke Centurion aerosols for testing.

2. SAFETY INFORMATION

- Always ensure a stable working environment when using the telescopic pole.
- Do not use the equipment near open flames or ignition sources. The aerosol contents are flammable.
- Avoid direct inhalation of the aerosol spray. Use in well-ventilated areas.
- Wear appropriate personal protective equipment (PPE) such as safety glasses when operating the equipment.
- Keep the aerosol cans out of reach of children and pets.
- Do not puncture or incinerate aerosol cans, even when empty.
- Ensure the telescopic pole is securely locked at the desired length before use.

3. PACKAGE CONTENTS

The SDI SOLO809 Smoke Detector Test Equipment kit includes the following components:

- 15 ft Fiberglass Telescopic Pole
- Smoke Detector Tester Head (for aerosol attachment)
- Carrying Bag
- 12 x Smoke Centurion Aerosol Cans



Image 1: The SDI SOLO809 Smoke Detector Test Equipment kit, including the telescopic pole, tester head, and aerosol cans.

4. SETUP

1. **Unpack Components:** Remove all items from the carrying bag.
2. **Assemble Tester Head:** Securely attach the smoke detector tester head to the top of the telescopic pole. Ensure it is firmly seated and locked into place according to the tester head's specific design.
3. **Insert Aerosol Can:** Insert one Smoke Centurion aerosol can into the designated compartment within the tester head. Ensure the nozzle is correctly aligned with the spray mechanism.
4. **Extend Telescopic Pole:** Carefully extend the fiberglass telescopic pole to the desired length, ensuring each section is securely locked before proceeding. Do not over-extend beyond marked limits.

5. OPERATING INSTRUCTIONS

Follow these steps to test a smoke detector:

1. **Position the Tester:** With the pole extended, carefully position the tester head over the smoke detector. Ensure the detector is fully enclosed by the tester head's cup.
2. **Activate Spray:** Gently push the pole upwards to engage the spray mechanism on the tester head. This will release a controlled burst of aerosol into the detector's chamber.
3. **Observe Detector Response:** Wait for the smoke detector to activate its alarm. This typically occurs within a few seconds of exposure to the aerosol.
4. **Reset Detector:** Once the alarm sounds, remove the tester head from the detector. The alarm should cease. If it does not, follow the detector manufacturer's instructions for resetting.
5. **Repeat as Necessary:** Move to the next smoke detector and repeat the process.

Note: The equipment is designed to reach detectors up to 20 ft high. Adjust the pole length as needed for optimal reach and stability.

6. MAINTENANCE

- **Aerosol Replacement:** When an aerosol can is empty, remove it from the tester head and replace it with a new Smoke Centurion can. Dispose of empty cans according to local regulations.
- **Cleaning:** Periodically wipe down the telescopic pole and tester head with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the equipment in its carrying bag in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the pole is fully retracted before storage.
- **Inspection:** Regularly inspect the telescopic pole for any signs of damage, cracks, or wear. Check the tester head for any obstructions or damage to the spray mechanism. Do not use damaged equipment.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No spray from tester head	Aerosol can is empty or incorrectly inserted.	Replace aerosol can or re-insert correctly.
Smoke detector does not alarm	Insufficient aerosol spray, detector fault, or detector not properly enclosed.	Ensure full enclosure, apply more spray, or check detector's power/functionality.
Telescopic pole sections do not lock	Locking mechanisms are dirty or damaged.	Clean locking mechanisms. If damaged, discontinue use and seek replacement.

8. SPECIFICATIONS

- **Brand:** SDI
- **Model:** SOLO809
- **Product Type:** Smoke Detector Tester Starter Kit
- **Features:** Silicone-Free Testing
- **Maximum Reach:** Up to 20 ft (with telescopic pole)
- **Telescopic Pole Length:** 15 ft (Fiberglass)
- **Overall Length (Kit):** 9 in
- **Overall Width (Kit):** 14 in
- **Overall Height (Kit):** 52 in
- **Item Weight (Kit):** 17 Pounds
- **Power Source:** Battery Size Not Applicable (for tester head); Kit does not include batteries.
- **Standards:** UL Listed

9. WARRANTY AND SUPPORT

The SDI SOLO809 Smoke Detector Test Equipment comes with a **Limited Lifetime Manufacturer Warranty**. For specific details regarding warranty coverage, claims, or technical support, please refer to the official SDI website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

For further assistance, please contact SDI customer support through their official channels.

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