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> AEGTEST AGT-2459 Portable Carbon Monoxide Detector User Manual

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AEGTEST AGT-2459 Portable Carbon Monoxide Detector User Manual

Model: AGT-2459 | Brand: AEGTEST

1. INTRODUCTION

The AEGTEST AGT-2459 is a portable carbon monoxide (CO) detector designed to provide rapid and accurate detection of CO levels in various environments. This device features a high-precision DDS sensor, multiple alarm modes (sound, light, and vibration), and a clear TFT color screen for easy reading. Its compact, rechargeable design makes it suitable for home, travel, industrial, and mobile operations, ensuring personal safety by alerting users to dangerous CO concentrations.

2. IMPORTANT SAFETY INFORMATION

Carbon Monoxide (CO) is a colorless, tasteless, and odorless toxic gas, often referred to as the "Invisible Killer." Inhaling high concentrations of CO can lead to serious health risks, including headache, nausea, difficulty breathing, and even coma or death. This detector is designed to alert you to the presence of CO, but it is not a substitute for proper ventilation and maintenance of fuel-burning appliances. Always ensure adequate ventilation and regularly inspect potential CO sources.

Potential Sources of Carbon Monoxide:

- Fireplaces
- Water Heaters
- Gas Stoves
- Car Exhaust
- Charcoal Grills
- Portable Generators

Hazards of Carbon Monoxide Exposure:

- Headache
- Nausea
- Difficulty Breathing
- Loss of Consciousness / Coma

In case of an alarm, immediately move to fresh air and seek medical attention if symptoms persist.

3. PACKAGE CONTENTS

- 1 x AGT-2459 Carbon Monoxide Detector
- 1 x User Manual
- 1 x Type-C USB Charging Cable



Image: The AGT-2459 detector, user manual, and Type-C charging cable as included in the package.

4. PRODUCT FEATURES

- **Fast and Accurate Detection:** High-precision DDS sensor detects CO levels from 0 to 1000 PPM with a 10-

second warm-up and instant response within 1 second.

- **Multiple Alarm Modes:** Features sound, light (red indicator flash), and vibration alarms when CO levels reach the set threshold.
- **Adjustable Alarm Thresholds:** Multiple alarm thresholds can be selected to suit different environments (24-500 PPM).
- **TFT Color Screen:** Clear LCD display shows real-time gas concentration.
- **Portable Pen-Style Design:** Compact, lightweight, and ergonomic with anti-slip textured edges for comfortable handling and easy portability.
- **Long Battery Life:** Type-C charging provides up to 10 days of battery life (240 hours standby in screen-off state) with 1-2 hours for a full charge.
- **Built-in Flashlight:** Assists with measurements in dimly lit environments.
- **Wide Applications:** Suitable for home use, outdoor travel, camping, RVs, industrial sites, underground parking, and emergency response.

5. PRODUCT OVERVIEW

The AGT-2459 detector is designed for ease of use and reliability. Below are key visual aspects and components.



Image: The high-precision DDS sensor ensures quick and accurate CO detection.



Image: The detector provides audible, visual, and vibration alerts for enhanced safety.

Adapt to all testing needs to ensure your safety

Measurement Range

0-1000PPM

Alarm Threshold

Press the Switch Button to Customize the alarm thresholds (24-500PPM)

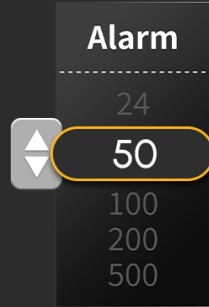


Image: The pen-type design makes the device easy to carry and use anywhere.

HOW TO TEST BEFORE USE



Test with cigarette smoke



Test with paper burning in low-oxygen conditions

Image: The integrated flashlight aids in visibility during measurements in low-light conditions.

6. SETUP

6.1 Initial Charging

Before first use, fully charge the AGT-2459 detector. Connect the provided Type-C USB charging cable to the device and a compatible USB power source. The battery indicator on the TFT screen will show charging status. A full charge typically takes 1-2 hours.



Image: The device features convenient Type-C charging for extended use.

6.2 Power On/Off

- **To Power On:** Press and hold the red power button () for a few seconds until the screen illuminates. The device will undergo a 10-second warm-up period.
- **To Power Off:** Press and hold the red power button () until the screen turns off.

7. OPERATING INSTRUCTIONS

7.1 Interpreting the Display

The TFT color screen displays real-time CO concentration in Parts Per Million (PPM). It also shows the battery level and the current alarm threshold setting.

7.2 Adjusting Alarm Thresholds

The AGT-2459 allows you to customize the alarm thresholds (24-500 PPM) to suit different environments or safety requirements.

- Press the **OK** button to enter the menu.
- Use the Up (▲) and Down (▼) buttons to navigate to the "Alarm" setting.
- Press **OK** to select and then use the Up/Down buttons to adjust the desired PPM threshold.
- Press **OK** again to confirm your selection.



Image: The alarm threshold can be customized to adapt to various testing needs.

7.3 Using the Flashlight

Press the flashlight button () located at the bottom of the control panel to turn the built-in flashlight on or off. This is useful for measurements in low-light conditions.

8. TESTING BEFORE USE

To ensure the detector is functioning correctly, it is recommended to perform a test before critical use. You can test the device using controlled sources of CO, such as:

- **Cigarette Smoke:** Briefly expose the sensor to cigarette smoke.
- **Burning Paper in Low-Oxygen Conditions:** Carefully burn a small piece of paper in a confined, low-oxygen space (e.g., under a glass jar) and expose the sensor to the resulting smoke.

When exposed to CO, the device should register a reading and trigger its alarms if the concentration exceeds the set threshold. If the device does not respond as expected, refer to the Troubleshooting section.

9. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the detector in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Care:** Recharge the device regularly to maintain battery health, even if not used frequently. Avoid fully discharging the battery for extended periods.
- **Sensor Longevity:** The DDS sensor is designed for durability. Avoid exposing the sensor directly to water or harsh chemicals.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or no charge.	Charge the device using the provided Type-C USB cable.
Inaccurate readings or no detection.	Sensor obstruction or malfunction.	Ensure the sensor area is clear. Perform a test with a known CO source. If issues persist, contact support.
Alarm triggers frequently without apparent CO source.	Alarm threshold set too low or presence of other gases.	Adjust the alarm threshold to a higher, appropriate level. Ensure no other interfering gases are present.
Screen is dim or unresponsive.	Low battery or device malfunction.	Charge the device. If the problem persists after charging, contact support.

11. SPECIFICATIONS

Feature	Detail
Model Number	AGT-2459
Brand	AEGTEST
Detection Range	0 - 1000 PPM
Sensor Type	High-precision DDS sensor
Response Time	Instant response within 1 second (after 10-second warm-up)
Alarm Modes	Audible, Visual (Red LED flash), Vibration
Display	TFT Color Screen
Power Source	Rechargeable Lithium Polymer battery (included)
Charging Port	Type-C USB
Battery Life (Standby)	Up to 10 days (240 hours in screen-off state)
Item Weight	2.43 ounces (69 Grams)
Package Dimensions	8.39 x 4.69 x 1.69 inches

12. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the separate warranty card included with your product or visit the official AEGTEST website. Keep your purchase receipt as proof of purchase for warranty claims.

13. ADDITIONAL RESOURCES

For a detailed PDF version of the user manual, please visit: [AEGTEST AGT-2459 User Manual \(PDF\)](#)

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