

Tadeto TE026

Tadeto Carbon Monoxide Detector TE026 User Manual

Model: TE026

1. INTRODUCTION

Thank you for choosing the Tadeto TE026 Portable Carbon Monoxide Detector. This device is designed to accurately detect carbon monoxide (CO) concentrations in the air and alert users to potentially dangerous levels through audible and visual alarms. Please read this manual thoroughly before use to ensure proper operation and safety.

2. IMPORTANT SAFETY INFORMATION

- **Carbon Monoxide (CO) Warning:** Carbon monoxide is a colorless, odorless, and tasteless gas that can be fatal. This detector is designed to assist in detecting the presence of CO gas. It is not a substitute for proper maintenance of fuel-burning appliances or ventilation systems.
- **Placement:** Position the detector in areas where CO may be present, such as near fuel-burning appliances, but avoid direct exposure to exhaust fumes or high humidity.
- **Alarm Response:** If the alarm sounds, immediately move to fresh air, call emergency services, and do not re-enter the area until it has been deemed safe by professionals.
- **Battery Safety:** Use only specified AAA alkaline batteries. Do not mix old and new batteries or different types of batteries. Dispose of used batteries responsibly.
- **Operating Environment:** Do not expose the device to extreme temperatures, direct sunlight, or excessive moisture.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x Tadeto Carbon Monoxide Detector (TE026)
- 1x Storage Bag
- 1x User Manual (this document)
- 3x AAA Alkaline Batteries

What You GET

- 1x Carbon monoxide detector
- 1x Storage bag
- 1x Instruction manual
- 3x AAA Batteries



Image: Contents of the Tadeto TE026 package.

4. PRODUCT OVERVIEW

The Tadeto TE026 features an electrochemical precision probe for accurate CO detection, a backlit LCD screen for clear readings, and both audible and visual alarms.





Image: Front view of the Tadeto TE026 Carbon Monoxide Detector.

4.1 Key Features

- **Electrochemical Precision Probe:** For accurate and rapid detection of real-time CO concentrations.
- **2.4-inch Backlit LCD Screen:** Provides clear, easy-to-read data in various lighting conditions.
- **Audible and Visual Alarms:** Alerts users with a beeping sound and a flashing red screen when CO levels exceed preset thresholds.
- **Data Hold Function:** Allows freezing the current reading on the display.
- **Maximum Value Display:** Shows the highest CO concentration detected during a measurement session.
- **Compact and Portable Design:** Easy to handle and carry for various applications.

Accurate Detection, Fast Response, Eye-Catching Alerts



Image: Key features of the Tadeto TE026 detector.

4.2 Device Components



Image: Labeled diagram of the Tadeto TE026 components.

1. **Electrochemical Probe:** Sensor for detecting CO.
2. **LCD Display:** Shows CO concentration, battery level, and other indicators.
3. **Power Button ():** Turns the device on/off.
4. **MODE Button:** Cycles through display modes or settings.
5. **HOLD Button:** Freezes the current reading on the display.
6. **Backlight Button ():** Activates/deactivates the display backlight.
7. **Sound Button ():** Toggles the audible alarm sound on/off.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the back of the device.
2. Open the battery compartment cover.
3. Insert the 3 AAA alkaline batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Powering On/Off

- **To Power On:** Press and hold the Power Button () for approximately 2 seconds. The device will perform a self-test and warm up for about 30 seconds. During warm-up, the display may show a countdown or fluctuating readings before settling to 0 PPM in clean air.
- **To Power Off:** Press and hold the Power Button () for approximately 2 seconds until the display turns off.

6. OPERATING INSTRUCTIONS

6.1 Reading the Display

The 2.4-inch backlit LCD screen displays real-time CO concentration in Parts Per Million (PPM). It also shows battery status, alarm indicators, and maximum detected value.

2.4-inch LCD Backlit Screen

Easy to Read real-time Data



Image: The backlit LCD screen for easy data reading.

6.2 Alarm Functionality

The detector features both audible and visual alarms.

- **Default Low Alarm:** 35 PPM
- **Default High Alarm:** 200 PPM
- When CO concentration exceeds the preset low alarm value, the device will emit a beeping sound and the screen will flash red.
- If the concentration reaches the high alarm value, the sound and flashing frequency will increase.

- **To Mute Alarm:** Short press the Sound Button () to temporarily turn off the audible alarm. The visual alarm will continue. The sound will be re-enabled by default on the next power-on.



Audible Alarm



Visual Alarm

Default low alarm: **35PPM**

Default high alarm: **200PPM**

Low alarm values can be set :**20-199PPM**

High alarm values can be set :**200-1000PPM**

Sound can be turned off manually
(default turn on next time)



Image: Visual and audible alarm indicators.

6.3 Adjusting Alarm Values

The low and high alarm values can be manually adjusted:

- Low alarm values can be set between 20-199 PPM.
- High alarm values can be set between 200-1000 PPM.
- Refer to the detailed instructions in the included user manual for specific steps on how to enter the

settings menu and adjust these values.

6.4 Data Hold Function

To freeze the current CO reading on the display, short press the HOLD button. Press it again to release the hold and resume real-time measurement.

6.5 Backlight Control

Short press the Backlight Button () to turn the display backlight on or off, improving visibility in low-light conditions.

7. MAINTENANCE

7.1 Cleaning

- Wipe the device with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or immerse the device in water.

7.2 Battery Replacement

When the battery indicator on the display shows low power, replace all three AAA batteries promptly to ensure continuous operation and accurate readings. Follow the battery installation steps in Section 5.1.

7.3 Storage

When not in use for extended periods, remove the batteries and store the detector in its provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Batteries are dead or incorrectly installed.	Check battery polarity and replace with fresh AAA batteries.
No CO reading (0 PPM) in suspected CO presence.	Device still in warm-up phase; CO levels are below detection threshold; sensor malfunction.	Wait 30 seconds after power-on. Ensure CO source is active. If issue persists, contact customer support.
Alarm sounds frequently without apparent CO source.	High background CO levels; detector sensitivity.	Ventilate the area. Ensure no hidden CO sources. Consider adjusting alarm thresholds if appropriate for your environment (refer to Section 6.3).
Display is dim or unreadable.	Backlight is off; low battery.	Press the Backlight Button (). Replace batteries if the battery indicator is low.

9. SPECIFICATIONS

- **Model:** TE026
- **Sensor Type:** Electrochemical
- **Measuring Range:** 0-1000 PPM
- **Resolution:** 1 PPM

- **Precision:** $\pm 10\%$
- **Warm-up Time:** Approximately 30 seconds
- **Display:** 2.4-inch Backlit LCD
- **Alarm:** Audible, Visual (Red light flashing)
- **Default Low Alarm:** 35 PPM (Adjustable: 20-199 PPM)
- **Default High Alarm:** 200 PPM (Adjustable: 200-1000 PPM)
- **Power Source:** 3 x 1.5V AAA Alkaline Batteries (included)
- **Material:** ABS
- **Dimensions:** 6.5in x 2.3in x 1.05in (16.5cm x 5.8cm x 2.7cm)
- **Item Weight:** 8 ounces (227g)
- **Operating Humidity:** $\leq 90\%$ RH
- **Certification:** UL

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Tadeto TE026 Carbon Monoxide Detector comes with a 1-year limited warranty from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

10.2 Customer Support

If you have any questions, concerns, or require technical assistance with your Tadeto TE026 detector, please contact our customer support team. Refer to the contact information provided on the product packaging or the official Tadeto website.