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Model: OV-AD-02

1. INTRODUCTION

Thank you for choosing the Overmax OV-AD-02 Breathalyzer. This device is designed to provide accurate and reliable measurements of alcohol concentration in breath, aiding in responsible decision-making. Please read this manual carefully before using the device to ensure proper operation and to maintain its accuracy and longevity. This manual provides essential information on setup, operation, maintenance, and troubleshooting.



Figure 1: The Overmax OV-AD-02 Breathalyzer. This image displays the compact, black breathalyzer unit, highlighting its portable design and the central display screen.

2. SETUP

Before first use, follow these steps to prepare your Overmax OV-AD-02 Breathalyzer:

1. **Install Batteries:** Open the battery compartment located on the back of the device. Insert two (2) AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment. Close the compartment securely.
2. **Attach Mouthpiece:** Select one of the provided mouthpieces. Gently push the mouthpiece onto the designated port on the side of the breathalyzer until it is firmly attached. Ensure it is securely fitted to prevent air leakage during testing.
3. **Initial Power-On:** Press and hold the power button for approximately 1-2 seconds. The device will perform a brief self-check and enter a warm-up phase, which typically takes about 30 seconds.

The device is now ready for operation after the warm-up period.

3. OPERATING INSTRUCTIONS

Follow these steps for accurate alcohol concentration testing:

- Power On:** Press the power button. The device will display a countdown during its 30-second warm-up phase. Wait until the display indicates it is ready for testing.
- Prepare for Test:** Once the device is ready, a prompt will appear on the screen, usually accompanied by an audible signal, indicating it is time to blow.
- Perform Test:** Take a deep breath. Place your lips around the mouthpiece and blow steadily and continuously into the device for approximately 5 seconds. A consistent airflow is crucial for accurate results. The device will emit an audible alert when sufficient breath has been provided.
- Read Results:** After blowing, the device will process the sample and display the alcohol concentration reading on the dual-color LCD screen within approximately 5 seconds. The results are displayed in per mille (‰). The display color may change to indicate different levels of alcohol concentration.
- Interpretation:** The device measures between 0.00‰ and 1.50‰ with an accuracy of $\pm 0.08\%$. Consult local regulations for legal alcohol limits.
- Power Off:** The device will automatically power off after a short period of inactivity to conserve battery life. You can also manually power it off by pressing and holding the power button.

For best results, wait at least 20 minutes after consuming alcohol or smoking before performing a test.

4. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your breathalyzer:

- Cleaning:** Wipe the exterior of the device with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water. Ensure no liquid enters the mouthpiece port or display.
- Mouthpiece Care:** Mouthpieces should be cleaned or replaced regularly, especially if used by multiple individuals. Wash mouthpieces with warm, soapy water and rinse thoroughly before air drying.
- Calibration:** The OV-AD-02 breathalyzer requires periodic calibration to maintain its accuracy. Overmax offers **4 free calibrations over two years** from the date of purchase. Refer to the warranty section or contact customer support for calibration service details. Regular calibration is essential for reliable readings.
- Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its protective case when not in use. Remove batteries if the device will not be used for an extended period.

5. TROUBLESHOOTING

If you encounter issues with your Overmax OV-AD-02, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly inserted batteries.	Replace batteries with new AAA batteries, ensuring correct polarity.

Problem	Possible Cause	Solution
"Error" message displayed.	Insufficient breath sample, improper blowing technique, or sensor issue.	Ensure a steady, continuous breath for the required duration. Wait a few minutes and retest. If persistent, contact support.
Inconsistent or inaccurate readings.	Device requires calibration, recent alcohol consumption/smoking, or environmental factors.	Ensure 20 minutes have passed since last consumption/smoking. Consider sending the device for calibration. Test in a stable environment.
Slow warm-up time.	Low battery power or cold environment.	Replace batteries. Allow the device to warm up to room temperature before use.

If the problem persists after attempting these solutions, please contact Overmax customer support for further assistance.

6. SPECIFICATIONS

Model Number	OV-AD-02
Measurement Range	0.00‰ - 1.50‰
Accuracy	±0.08‰
Display	Dual-color LCD
Response Time	Approximately 5 seconds
Warm-up Time	Approximately 30 seconds
Power Source	2 x AAA batteries
Product Dimensions	10.7 x 4.5 x 2 cm
Item Weight	42 g

7. WARRANTY AND SUPPORT

Overmax is committed to providing high-quality products and customer satisfaction.

- **Calibration Service:** Your Overmax OV-AD-02 Breathalyzer includes **4 free calibrations over a period of two years** from the date of purchase. Regular calibration is crucial for maintaining the device's accuracy. Please retain your proof of purchase for warranty and calibration services.
- **General Warranty:** For detailed information regarding the product warranty, including terms and conditions, please refer to the warranty card included with your product or visit the official Overmax website.
- **Customer Support:** If you have any questions, require technical assistance, or need to arrange for calibration service, please contact Overmax customer support. Contact details can typically be found on the official Overmax website or on the product packaging.

Always ensure you are using the device in accordance with this manual to avoid voiding your warranty.

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

Open the live page

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