

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Proster](#) /

› [Proster Dual-Sensor Portable Breathalyzer MR505 User Manual](#)

Proster MR505

Proster Dual-Sensor Portable Breathalyzer MR505 User Manual

Model: MR505

INTRODUCTION

Thank you for choosing the Proster Dual-Sensor Portable Breathalyzer MR505. This device is designed to provide a quick and reliable indication of your Blood Alcohol Content (BAC) for personal use. It features dual high-precision sensors, voice prompts, and a clear 3-color LED display for easy interpretation of results. Please read this manual thoroughly before use to ensure proper operation and accurate readings.

Important Note: This device is intended for personal reference only and should not be used to determine whether you are fit to drive or operate machinery. Legal limits for BAC vary by region, and official calibration is required for legal purposes. Always prioritize safety and responsible decision-making.

PRODUCT OVERVIEW

Key Features

- **Dual High-Precision Sensors:** Utilizes advanced sensor technology and a filtering algorithm for reliable measurements.
- **Fast Results & Voice Prompts:** Provides BAC readings in approximately 4 seconds with clear voice guidance.
- **3-Color LED Indicator:** Visual alerts (Green, Yellow, Red) for quick result interpretation.
- **Multi-Unit Display:** Supports %BAC (USA), g/L (Europe), mg/L, and BrAC (Japan) simultaneously.
- **Rechargeable Battery:** Built-in lithium battery supports over 500 tests per charge, rechargeable via USB-C.
- **Portable Design:** Compact and lightweight (38g) for easy carrying.
- **20 Reusable Mouthpieces:** Includes multiple mouthpieces for hygienic sharing.

Device Components

How to Use & Important Tips

Step1: Press power button

Step2: Blow steadily for 5 seconds

Step3: Get voice + LED result



First Use / Long Storage – Press power button 3 times to clean sensor



Figure 1: Proster Breathalyzer with labeled components including air intake, LCD screen, buttons, sound outlet, vent hole, and USB-C charging port.

- **Air Intake:** Where the breath sample is collected.
- **LCD Screen:** Displays readings, status, and unit information.
- **Menu Button / Power On Button:** Used for powering on/off and switching units.
- **Sound Outlet:** Emits voice prompts and alarms.
- **Vent Hole:** For air circulation.
- **Charging Type-C Port:** For connecting the USB-C charging cable.
- **Mouthpiece:** Disposable or reusable attachment for hygienic breath sampling.

SETUP

1. Charging the Device

Before first use, or if the battery is low, charge the breathalyzer using the provided USB-C cable. Connect the cable to the

Type-C port on the device and a compatible USB power source (e.g., wall adapter, computer USB port).



Figure 2: The breathalyzer charging via its USB-C port.

- The charging indicator light will illuminate during charging.
- A full charge typically takes a few hours and provides power for over 500 tests.

2. Installing a Mouthpiece

Insert one of the provided mouthpieces firmly into the air intake port at the top of the device. Ensure it is securely attached to prevent air leakage during testing.

Why Choose Our PROSTER Breathalyser?



Figure 3: A mouthpiece being installed onto the breathalyzer.

3. Initial Sensor Cleaning (First Use / Long Storage)

For the first use, or if the device has been stored for an extended period, it is recommended to clean the sensor. Press the power button **three times** quickly to initiate a sensor cleaning cycle. This helps ensure optimal accuracy.

OPERATING INSTRUCTIONS

For accurate results, wait at least 20-30 minutes after eating, drinking (including non-alcoholic beverages), or smoking before performing a test. Residual alcohol in the mouth can lead to falsely high readings.

1. **Power On:** Press and hold the power button (usually the central button) for a few seconds until the device powers on and the display illuminates.
2. **Preheating:** The device will enter a preheating phase, indicated by a countdown on the screen (e.g., "Wait"). This typically takes about 10 seconds.
3. **Ready to Blow:** Once preheating is complete, the device will display "Blow" and emit a voice prompt.

4. **Provide Breath Sample:** Take a deep breath and blow steadily and continuously into the mouthpiece for approximately 5 seconds, or until you hear a beep and the display indicates completion. Ensure a consistent airflow.
5. **View Results:** The device will process the sample and display your BAC reading on the LCD screen within approximately 4 seconds. Voice prompts will announce the result, and the 3-color LED indicator will light up according to the detected alcohol level.
6. **Switching Units:** To cycle through different measurement units (%BAC, mg/L, g/L), double-click the power button after a test result is displayed.
7. **Power Off:** The device will automatically power off after 10 seconds of inactivity following a test to conserve battery. You can also manually power it off by pressing and holding the power button.

Your browser does not support the video tag.

Video 1: Demonstration of the Proster Breathalyzer's operation, including power-on, preheating, breath sample collection, and result display. This video illustrates the steps for using the device to obtain a BAC reading.

UNDERSTANDING RESULTS

The Proster Breathalyzer provides results using a 3-color LED indicator and numerical display. The device supports multiple units of measurement.

3-Color LED Indicator

Smart Detection in 3 Colors

TIP: Always use the included mouthpiece. Blowing directly into the device (without mouthpiece) may affect precision.



Figure 4: The 3-color LED indicator system for interpreting BAC results.

- **Green Light:** Indicates a safe alcohol level (typically below 0.3 g/L or equivalent).
- **Yellow Light:** Indicates a caution level (typically between 0.3-0.5 g/L or equivalent), accompanied by a beep.
- **Red Light:** Indicates a danger level (typically 0.5 g/L or higher or equivalent), accompanied by a rapid alarm.

Note: These thresholds are general guidelines. Always refer to local laws and regulations regarding alcohol limits.

Measurement Units

The device can display results in the following units:

- **%BAC:** Percentage Blood Alcohol Content (commonly used in the USA).
- **g/L:** Grams per Liter (commonly used in Europe).
- **mg/L:** Milligrams per Liter.
- **BrAC:** Breath Alcohol Content (commonly used in Japan).

Double-click the power button to switch between these display units.

MAINTENANCE

Cleaning the Device

- Wipe the exterior of the device with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water.
- The included mouthpieces are reusable. After each use, they can be rinsed with water and allowed to air dry.

Storage

Store the breathalyzer in a cool, dry place away from direct sunlight and extreme temperatures. If storing for a long period, ensure the device is fully charged and perform a sensor cleaning cycle before next use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate or inconsistent readings	<ul style="list-style-type: none">• Tested too soon after eating, drinking, or smoking.• Improper blowing technique (not continuous or strong enough).• Sensor requires cleaning.	<ul style="list-style-type: none">• Wait at least 20-30 minutes before retesting.• Ensure a steady, continuous blow for the required duration.• Perform a sensor cleaning cycle (press power button 3 times).
Device does not power on	<ul style="list-style-type: none">• Low battery.• Device malfunction.	<ul style="list-style-type: none">• Charge the device fully.• Contact customer support if charging does not resolve the issue.
Voice prompts are too loud / cannot be adjusted	<ul style="list-style-type: none">• The device does not feature volume control.	<ul style="list-style-type: none">• This is a design characteristic. Use in environments where the volume is not disruptive.

If you encounter issues not listed here, please refer to the support section for assistance.

SPECIFICATIONS

- **Model Number:** MR505
- **Dimensions:** Approximately 5.91 x 5.31 x 1.54 inches
- **Weight:** Approximately 3 ounces (38g)
- **Battery:** Built-in 1 Lithium Ion battery (rechargeable)
- **Charging Port:** USB Type-C
- **Sensor Type:** Dual High-Precision Sensor
- **Measurement Units:** %BAC, g/L, mg/L, BrAC

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Proster customer service. You can find more information and contact details by visiting the official Proster store on Amazon:

[Visit the Proster Store](#)

Please have your model number (MR505) and purchase details ready when contacting support.



© 2026 Proster. All rights reserved.