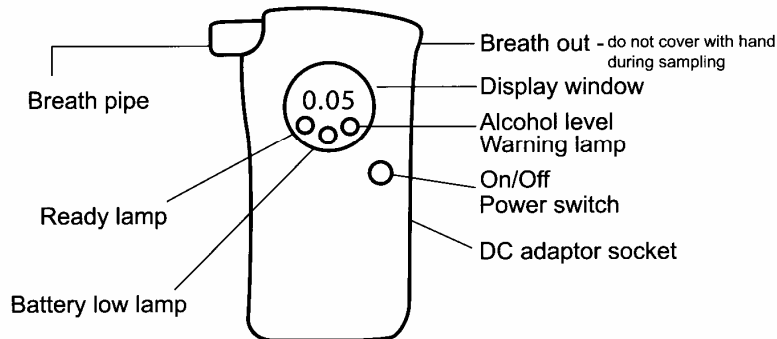


Digital Alcohol Detector

AlcoMate Pro

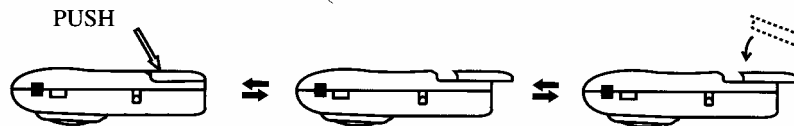
The AlcoMate Pro is intended to measure alcohol in human breath. Readings obtained by this device are used in the diagnosis of alcoholic intoxication.

Part names



Preparation

1. Install the 9 Volt Battery (included), as shown below.



2. The tester comes with one plastic mouthpiece already covering the breath pipe. To change mouthpieces, align the slot in the mouthpiece with the slot on the breath pipe.

Operation: Read these instructions before use and before consuming alcohol.

WAIT! 20 minutes after drinking alcohol before taking a reading. If you don't wait, the reading will measure alcohol in the mouth, which does not accurately show your blood alcohol level.

1. **Press the ON/OFF Power switch.** **WAIT!** The detector will start to countdown from 200 to 000 on the display window. This warm up process prepares the sensor and circuit for testing. When you hear a **BEEP** and the green READY light comes on, go to step 2.
2. **Take a deep breath, then blow steadily and continuously (at least 4 seconds)** into the pipe until you hear **another BEEP.** (You should blow with the equivalent strength required to extinguish at least 10 candles on a birthday cake with a single breath.) Your lips should be sealed around the mouthpiece while blowing. Be careful not to cover the Breath out opening on the unit. (If you don't blow within 30 seconds, the unit automatically displays "OFF" and will turn off.) After the red and green display lights blink for 4 seconds, **the test result will be displayed for 15 seconds.** This is your Blood Alcohol Concentration, or BAC. Finally, the unit shows "OFF" for turn-off, along the BEEP sound. **Press the ON/Off power switch** to turn unit off.

If your blood alcohol concentration is:

Below 0.01%	0.01 to 0.04%	0.05% or Over	0.40% or Over
If you drank very little alcohol, your actual concentration may be below 0.01 %, and the reading may not be activated. However, the display shows 0.00% and you're in the safe range.	The reading will be displayed.	The Red WARN LED will flash along with a "BEEP" sound. Your ability to drive may be impaired. Don't drink and drive!	Display will read "Hot" and the Red WARN LED will flash along with "BEEP" sound.

For subsequent testing, repeat steps 1-2. Space tests at least 2 minutes apart.

Understanding the Results

For many years, the legal standard for drunkenness across the United States was 0.10, but many states have now adopted the **0.08 standard**. The federal government has pushed states to lower the legal limit. The American Medical Association says that a person can become impaired when the blood alcohol level hits **0.05**. *You should never drive an automobile when you are impaired by alcohol, drugs, or lack of proper rest.*

Precautions

1. You should wait 20 minutes after eating, smoking or drinking before testing. Any alcohol remaining in the mouth or saliva takes at least 20 minutes to disperse and will otherwise interfere with the reading.
2. Avoid testing in a strong wind or in a closed room with standing air.
3. When the "BATT LOW" LED is on, replace the 9V alkaline battery.
4. Do not blow smoke or liquid into the unit, as the sensor may be damaged.
5. Although the AlcoMate Pro analyzes alcohol level accurately, DO NOT use it as a tool to drink and drive.
6. Store the unit between 32-104 (°F) and out of the reach of children.
7. If you have a car adapter included with your device, do not leave it attached to the power jack when not in use.
8. The AlcoMate Pro requires calibration every 200 tests or at least once yearly (12 months), whichever comes first, to maintain accurate results. The calibration period varies greatly with the frequency of usage.

Troubleshooting

Replace the battery if the BATT LOW lamp comes on. Refer other problems to the phone number below. The unit contains no user-serviceable components. Attempting to service the unit yourself voids the warranty.

Cleaning Instructions

For sanitary reasons, you may replace the plastic mouthpiece if another person is going to use the unit.

You may wish to clean the unit with a damp cloth. Do not submerge in water, as this may damage the product and will void the warranty. No routine maintenance other than periodic recalibration is required.

Specifications

Dimensions:	4.7 x 2.4 x 1"	Weight	1.5 oz.
Battery:	9V alkaline	Operating Temp.	50 -104° F
Sensor:	Highly selective semi-conductor oxide sensor	Warm-up time	20 sec
Response time	5 sec	Accuracy	±0.01 % at 0.10% BAC
Calibration	BAC simulator	Calibration Interval	6 months to 1 year

Warranty

We warrant the product to be free from defects in workmanship or material for 1 year in normal service from the date of purchase. Our duty under this warranty is limited to replacing, adjusting, or repairing the unit if returned along with proof of purchase. This warranty is void if unit has been tampered with or damaged by the user. Refer problems to the toll free number below. Recalibration is a required periodic maintenance procedure required of any and all breathalyzers in order to maintain accuracy, and as such, is not a warranty service.

Calibration:

To recalibrate your alcohol tester, send it to this address (include a copy of your invoice or sales receipt):

AK Solutions USA, LLC
21 Grand Ave. Suite 102
Palisades Park, NJ 07650

Call us at 800-943-1016 (M-F 9AM to 6PM EST), or visit <http://www.alcomate.net> if you have any questions.

Please include a check or money order for \$35.00 payable to AK Solutions, as well as a daytime contact number.