



## USER'S MANUAL

PRISM Technology w/Easy-Replace Sensor Panel  
Active Pressure Sensor (Deep-Lung Air Sampling)  
Cumulative Test Counter + Low Battery Indicator  
"One-Way-Flow" Mouthpieces  
Internal Mouthpiece Storage Slot (x2)



Patent-Pending **PRISM** Sensor Technology (**Pre-calibrated Replaceable Intelligent Sensor Modules**) eliminates the need for calibration. Just replace the sensor module in seconds! **No Calibration Ever!**



The AlcoMate Premium (Model AL-7000) is our new flagship breathalyzer that provides you with the most advanced, accurate and convenient breath testing system available. The Premium never requires calibration through the use of patent-pending **PRISM™ (Pre-calibrated Replaceable Intelligent Sensor Module) Technology**. With the unique easy-replace sensor panel, module replacement takes just a few seconds!












The AlcoMate Premium's **PRISM™ Sensor Technology** uses advanced next-generation components to improve upon prior oxide semiconductor technologies and introduces a level of accuracy, reliability and ease-of-use never before achieved among portable screening breathalyzers. Accessories for the BASIC PACK include a pre-installed sensor module, batteries (x2), mouthpieces (x5) and compact carrying bag. The FULL PACK additionally includes a field test kit (large zippered bag) and power car adapter.







**Note: The only legally valid measure of %BAC (percent Blood Alcohol Concentration) is obtained by blood testing or other evidential method of measurement. This device is for screening purposes only and should be used as a monitoring guide. This device must be used strictly in accordance with the instructions provided with the product.**

## Device Operation

If you are using the AlcoMate Premium for the first time, please install two 1.5V AA batteries (included) and attach a mouthpiece to the unit.

### Instructions

			
<p>Press and hold the Power Button to turn the unit on.</p>	<p>The cumulative test count will be displayed as you hold the Power Button down.</p>	<p>The display may alternately show "nor", which is short for normal operation.</p>	<p>The back-lit digital display shows results clearly during day or night conditions.</p>
			
<p>Release the Power Switch. There will be a countdown as the unit warms up. The display will show "blow" when ready.</p>	<p>Secure your lips around the mouthpiece and blow sharply and steadily into the unit for about 4 seconds.</p>	<p>If you see "Flow" in the display, the breath sample was not strong or long enough for measurement. Please try again.</p>	<p>If the device cannot take a successful sample, you will see "Out" in the display and the unit will shut itself off.</p>
	<p style="text-align: center;"><b>Battery Replacement</b></p> 		
<p>The results will be shown for about 15 seconds. The unit will then shut itself off.</p>	<p>Remove the battery cover at the rear of the unit and replace the old batteries with two new 1.5V "AA" batteries. Make sure to properly align the batteries by checking the +/- orientation.</p>	<p><b>Note: There is a Mouthpiece Storage Slot between the batteries. The Slot holds 2 mouthpieces.</b></p>	

<p><b>Sensor Module Replacement</b></p> <p>Please take the following steps to install a new sensor module. <b>(VERY IMPORTANT: The device MUST BE TURNED OFF in order to avoid IMMEDIATE DAMAGE to the sensor.)</b></p>			
		Open the easy-replace sensor panel.	You will see the sensor module.
			
Remove the module by pulling it straight back.	Insert a new sensor module in the original position.	Make sure the new sensor module is firmly secured.	Close the easy-replace sensor panel. Ready for testing!

## Warnings

- a. **WAIT AT LEAST 20 MINUTES AFTER EATING OR DRINKING BEFORE TESTING.** A breathalyzer examines “lung air” samples, not “mouth air” to calculate alcohol content. Any “contaminants” in the mouth, including alcohol, food, smoke, or even excess saliva, may interfere with testing. This includes alcohol-based mouthwash or similar products. **This is the most common cause of improper use and incorrect results.**
- b. Avoid testing in high wind or enclosed spaces. Poor ventilation may also lengthen the time required for warm up between tests.
- c. Do not blow smoke, saliva or other contaminants into the mouthpiece, as the sensor may become damaged.
- d. **Do NOT use the Premium as a tool to drink and drive.**
- e. Keep out of extreme temperatures and out of the reach of children.
- f. To maintain accuracy, the sensor module inside the Premium must be replaced every 200 tests or at least once yearly (whichever comes first). Large numbers of "high positive" (high alcohol) readings may require replacing the module much sooner than normally expected.
- g. **WARNING DISPLAY “Flow”:** If you see “Flow” in the display, the breath sample was not strong enough for measurement. Please try again and make sure the breath is strong and steady during sampling.
- h. **WARNING DISPLAY “Cal”:** If you see “Cal” in the display, the Premium needs a new sensor module. **If the cumulative test counter reaches 300 tests, the Premium will display Cal automatically. Please purchase and install a new sensor module.**
- i. **WARNING DISPLAY “Bat”:** If you see “Bat” in the display, the battery power is low. Please replace the batteries.

## Specifications

Method of Measure	BrAC (Breath Alcohol Content) to %BAC (percent Blood Alcohol Concentration)
Range	0.000% to 0.400%BAC
Accuracy	+/-0.01% up to 0.10% BAC
Sensor	Advanced Oxide Semiconductor (2 <sup>nd</sup> Generation)
Power	Two 1.5V AA alkaline batteries (included)
Testing Capacity	Approx. 100~200 with new batteries
Operating Temperature	10 – 40 degrees Celsius
Warm Up	Less than 1 minute
Display	4-digit back-lit LCD display (0.000%)
Size (mm)	4.2" x 2.0" x 0.75"
Weight	1.8 oz. (without batteries)
Sensor Modules	Sensor modules must be replaced every 200 tests or at least once yearly (whichever comes first). Modules should also be replaced if damaged by improper testing or handling.

## Warranty

The manufacturer warrants the product to be free from defects in workmanship or material (excluding calibration) under normal use for twelve (12) months from the date of purchase. The manufacturer's obligation under this warranty is limited to replacing, adjusting or repairing the unit if returned along with proof of purchase. This warranty is void if the unit has been tampered with or maliciously damaged. **Sensor Module replacement is a cyclical maintenance procedure that is required by the AlcoMate Premium to maintain accuracy, and as such, is NOT covered under warranty. Sensor Module replacement eliminates the need for re-calibration (a non-warranty service which is also a cyclical maintenance procedure) required by all traditional breathalyzers.**

## Technical Support and Service

For technical support, please contact us at:

AK Solutions USA, LLC  
21 Grand Ave. Suite 102  
Palisades Park, NJ 07650  
Tel: 201.943.9411  
Fax: 201.943.8828  
Email: [info@PersonalAlcoholTester.com](mailto:info@PersonalAlcoholTester.com)  
Web: <http://www.PersonalAlcoholTester.com>