AL-6000 USER'S MANUAL

Blood Alcohol Content (BAC) Indication [LED Display]	Active Mode: 0.00 to 0.40% BAC [0.00~4.00g/L or 0.00~2.0mg/L] Passive Mode: Zero (0), Low (Lo), High (Hi) [Level can be adjusted at the customer's request]
Warm Up Time	‹ 30 seconds
Response Time	Active Mode: Within 5 seconds Passive Mode: Within 3 Seconds
Mouthpiece	Active Mode: Use mouthpiece Passive Mode: Mouthpiece not used
Sensor	Oxide semiconductor type alcohol sensor
Power Supply	Two 1.5V "AA" size alkaline battery
Continuous Usage with New Batteries Installed	Approx. 200 tests.
Weight	117g
Dimensions (mm)	125 (height) X 65 (width) X 38 (thickness) Max
Audible Warnings	Three (3) step warning beeps for alcohol detection
Auto Power Off	After 1 minute in idle state

AL-6000 is a device that measures alcohol content in the human breath and displays the results as blood alcohol concentration (BAC).

The unit can be operated in Active Mode and Passive Mode, as described below.

Digital LED Display (%BAC , ‰, mg/l Reading)

WARN Indicator

READY Indicator

Sensor Opening / Mouthpiece Slot

BATT LOW Indicator

Power Button

Active Mode Operation
If you attach and use the mouthpiece provided with the unit, you are operating the device in Active Mode.

1. Instructions
a) Press in and hold the power switch to turn the unit on. You can see the cumulative test count, FSr and nor will be displayed continuously.
b) Release the power Switch with test counter or nor sign is displayed then you can see the letters nor in the display, indicating Active Mode operation.
There will be an automatic countdown from 234 to 0 as the unit warms up. After two sharp beeps the device is ready.
c) Secure your lips around the mouthpiece and blow sharply and steadily into the unit for at about 5 seconds. You will hear two beeps when the device has finished taking the breath sample.
You will see the digit 0 moving left to right in the display as the device is analyzing the sample.
d) After analysis is complete, you will see the blood alcohol concentration (BAC) results displayed.
e) The results will be displayed for approximately 15 seconds, after which the unit will shut itself off.
f) If the device cannot take a successful sample, you will see Out in the display and the unit will shut itself off.

2. Understanding Your Results (BAC Reading)

1) %BAC : 0.00 to 0.01 2) ‰ : 0.00 to 0.10 3) mg/IBrAC : 0.00 to 0.05	Safe range.	Little/no alcohol intake.	
1) %BAC : 0.02 to 0.04 2) ‰ : 0.20 to 0.40 3) mg/IBrAC : 0.10 to 0.20	Moderate* range.	Increased alcohol intake.	
1) %BAC : 0.05 and over 2) ‰ : 0.50 and over 3) mg/IBrAC : 0.25 and over	Warning* range.	Ability to drive may be impaired.	WARN light displayed on unit.

*Consumption of alcohol in ANY amount may impair the ability to operate a motor vehicle. There is no "safe" level for alcohol consumption before driving. Don't drink and drive.

Passive Mode Operation
You can operate the unit in Passive Mode without using a mouthpiece. Tests will be quicker and more convenient, but results will be given in BAC ranges, rather than a numerical reading.

1. Instructions
a) Press in and hold the power Switch to turn unit on. You can see the cumulative test count, FSr and nor will be displayed continuously.
b) Release the power Switch when FSr sign is displayed then you will see the letters FSr in the display, indicating Passive Mode operation.
There will be an automatic countdown from 234 to 0 as the unit warms up.
c) Blow sharply and steadily into the sensor opening near the top of the unit for at least 5 seconds. You will hear two beeps when the device has finished taking the breath sample.
You will see the digit 0 moving left to right in the display as the device is analyzing the sample. After analysis is complete, you will see the blood alcohol concentration (BAC) results displayed.
d) In Passive Mode, you can immediately do another test when you see FSr in the display after the unit has shown the measurement for the previous test.

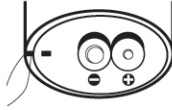### 2. Understanding Your Results (BAC Reading)

	1) %BAC : 0.00 to 0.01 2) ‰ : 0.00 to 0.10 3) mg/IBrAC : 0.00 to 0.05	Safe range.	Little/no alcohol intake.	
Lo	1) %BAC : 0.02 to 0.04 2) ‰ : 0.20 to 0.40 3) mg/IBrAC : 0.10 to 0.20	Moderate* range.	Increased alcohol intake.	
Hi	1) %BAC : 0.05 and over 2) ‰ : 0.50 and over 3) mg/IBrAC : 0.25 and over	Warning* range.	Ability to drive may be impaired.	WARN light displayed on unit.

*Consumption of alcohol in ANY amount may impair the ability to operate a motor vehicle. There is no "safe" level for alcohol consumption before driving. Don't drink and drive.

Warnings
a. Allow at least 20 minutes after eating or drinking before testing. Any type of alcohol remaining in the mouth or saliva may interfere with proper testing and requires about 20 minutes to disperse. This includes alcohol-based mouthwash or similar products.
b. Avoid testing in high wind conditions or in poorly ventilated / 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 AlcoScan AL-6000 as a tool to drink and drive.
e. Keep out of extream temperatures and out of the reach of children.
f. To maintain accuracy, we recommend professional recalibration of the AlcoScan AL-6000 every six (6) months to one (1) year.
g. **WARNING DISPLAY "Flo"** : Flo If you see "Flo" in the display, the breath sample was not strong enough for measurement. Please power on the unit again and make sure the breath is strong and steady during sampling.
h. **WARNING DISPLAY "Cal"**: If you see "Cal" in the display, the unit requires recalibration or maintenance. Please refer to the contact information at the end of this document.
i. **WARNING DISPLAY "Bat"** : bat If you see "Bat" in the display, the unit is indicating that battery power is low. Please replace the batteries.

Remove the battery cover at the bottom of the unit and replace the old batteries with two new 1.5V "AA" batteries. Make sure to properly align the batteries by looking at the +/- marks.

Warranty
The manufacturer warrants the product to be free from defects in workmanship or material (excluding calibration) under normal use for six (6) 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.

Recalibration & Service
For recalibration and technical support, please contact us at:

How do I install a Pre-Calibrated Alcohol Sensor Module?

For the **AL6000**, please take the following steps to install a new sensor module :

Loosen a screw.

Use a flat, sharp tool to carefully open the top cover.

Lift the breath tube to access the sensor module.

Remove the breath tube. It should remove easily.

Carefully raise the sensor module from the body. Do NOT detach the cable from the body.

Remove the cable from the slot underneath the sensor module.

TOP VIEW

BOTTOM VIEW

Prepare a new pre-calibrated sensor module.

Insert the cable into the new sensor. Make sure the blue strip is toward the sensor, as shown.

Replace the sensor module into its original position.

Re-attach the breath tube directly on to the sensor. Make sure the front opening is aligned.

Re-attach the cover on to the top of the body. It should snap in fairly easily.

Ready for Testing!