

- 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 AL2500 Elite as a tool to drink and drive.
- e) Keep out of extreme temperatures and out of the reach of children.

**Warranty**

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

BREATHALYZER  
**ALCOSCAN**  
AL2500 ELITE

**Recalibration & Service**

For recalibration and technical support, please contact us at:

BREATHALYZER  
**ALCOSCAN**  
AL2500 ELITE  
User's Manual



# User's Manual

AL2500 Elite is intended to measure alcohol in human breath. Readings obtained by this device are used in the diagnosis of alcohol intoxication. The accuracy of this device has been established at a Blood Alcohol Concentration of 0.00 to 0.40%BAC or 0.00 to 4.00‰ or 0.00 to 2.00mg/\_ BrAC. Accuracy testing was completed according to DOT regulations. The ALCOSCAN AL2500 Elite analyzes a breath sample to detect alcohol in the lungs. This reading is then converted to blood alcohol concentration (BAC). AL2500 Elite uses an advanced oxide semiconductor sensor to detect alcohol.

## Specifications

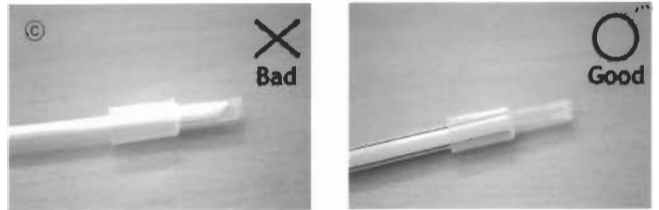
Method of Measure	Breath sample to BAC
Range	0.00 to 0.40%BAC or 0.00 to 4.00‰ or 0.00 to 2.00mg/_ BrAC
Accuracy	+/-0.01%BAC up to 0.10%BAC
Sensor	Semiconductor type alcohol sensor Flow rate checking system
Power	Two 1.5V AA alkaline batteries (included)
Warm Up	Less than 1 minute
Display	2-digit LCD
Mouthpiece	Use
Audible Warnings	3 steps beep warning of alcohol detection with LED display
Size (mm)	104(height) X 40(width) X 20(thickness)
Weight	85g

## How to use

- Press the Power Switch to turn the unit on. There will be a countdown from "19" to "0" as the unit warms up.
- Secure your lips around the mouthpiece and blow sharply and steadily into the unit for about 3 seconds. You will hear two beeps when the device is done taking the breath sample. You will see the digit "0" moving left to right in the display as the device analyzes the sample.
- When analysis is complete, you will see the blood alcohol concentration (BAC) results displayed.
- The results will be shown for about 10 seconds. The unit will then shut itself off.
- If the device cannot take a successful sample, you will see "E" in the display and the unit will shut itself off. Please power on the unit again and make sure the breath is strong and steady during sampling.



You can only mouthpiece for AL2500 Elite for accuracy testing as (a). You can also use a cylindrical straw as (b) but the accuracy does not come up to exact sampling (a).



In spite of that you want to use a cylindrical straw, please do not use a smaller one than mouthpiece slot as (c). The sensor is broken when the straw stabs a sensor through the mouthpiece slot.

## Warning Display

- If you see "E" in the display after blowing, the breath sample was not enough for measurement. Please power on the unit again and make sure the breath is strong and steady during sampling.  
If you see "E" in the display when turn on the unit, you need recalibration and technical support. Please contact us.
- If you see flickering battery symbol, "🔋" in the display, the battery power is low. Please replace the AA alkaline batteries.

## Warnings

- Wait at least 20 minutes after eating or drinking before testing. Alcohol remaining in the mouth, or even excess saliva, may interfere with testing. This includes alcohol-based mouthwash or similar products.