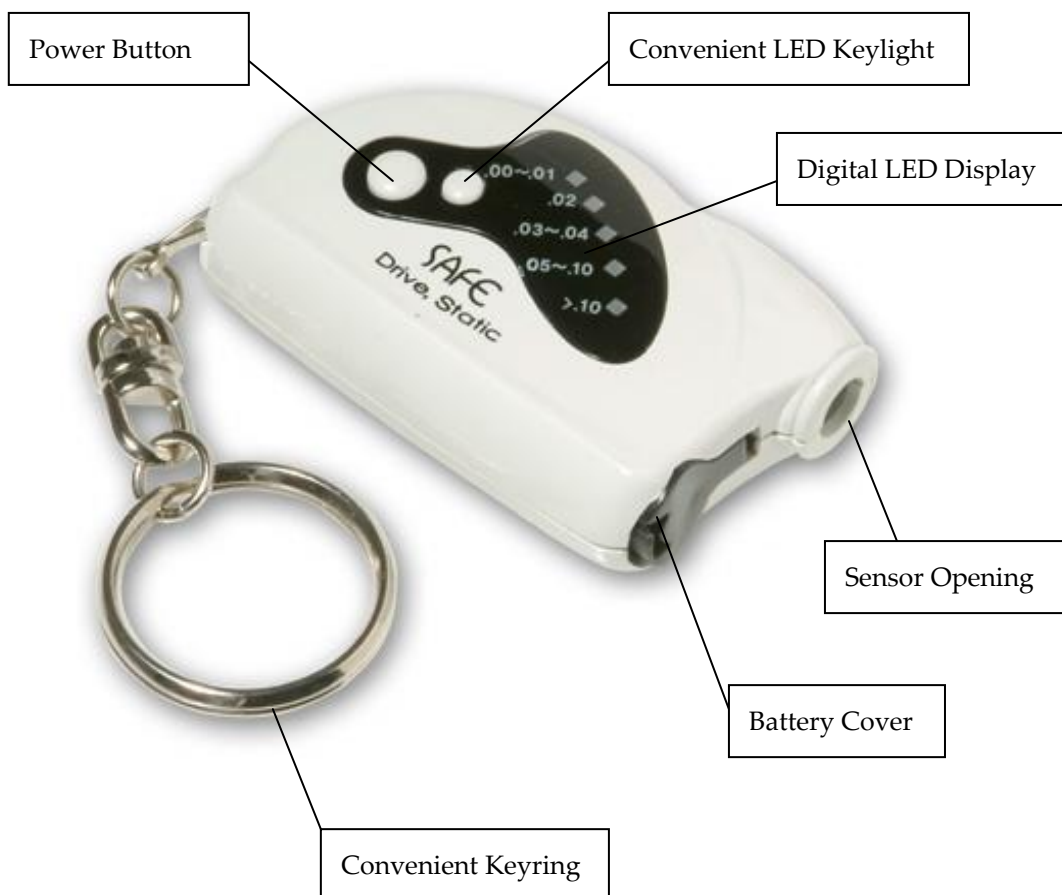


SafeDrive

User's Manual

The SafeDrive is an ultra-portable breath alcohol tester for quick testing on the go. The SafeDrive analyzes a breath sample to detect alcohol in the lungs. This reading is then converted to blood alcohol concentration (BAC). The unit features self-calibration, and no mouthpiece is required. The small button on the face of the unit also controls a convenient keylight.



Operation:

1. **Power On/Off.** Install one AAA battery (included) by opening the rear cover of the unit. Press the POWER button (the LARGER button) on the face of the unit for at least one (1) full second. ***IMPORTANT: When you power on the unit, you will see the LED lights move back and forth across the display. The device must “warm up” the sensor for testing. Please wait until you see a flashing GREEN light before using the device. The warm up process takes less than 30 seconds.***

2. **Breath Sample.** The user should take a deep breath and exhale sharply and steadily into the sensor opening (above the display) for about 3 seconds.
 - a. After you blow into the unit, you will see the LED lights move back and forth across the display. The device is analyzing the breath sample.
 - b. When the reading is complete, you will see a flashing light on the unit. This light shows your Blood Alcohol Concentration (BAC) range.
 - c. If a sample is not taken within 20 seconds, the unit will shut itself off. (You can also press the POWER button again to manually shut off the unit.)

3. **Analysis and Display.** Once the sample is analyzed, **the unit will display Blood Alcohol Concentration (BAC) in one of five (5) ranges:**
 - (a) 0.00%
 - (b) 0.01 – 0.02%
 - (c) 0.03 – 0.04%
 - (d) 0.05 – 0.10%
 - (e) Greater than 0.10%

- 4.

Results. The legal limit for intoxication (DUI/DWI) has recently been lowered from 0.10% to **0.08%** BAC across most of the USA. According to the American Medical Association (AMA), a BAC of **0.05%** is enough to impair the ability to drive. *You should never operate a motor vehicle when you are impaired by the consumption of alcohol, drugs or lack of proper rest.*

Measured BAC

0.00%	Safe range.	Little/no alcohol intake.
0.01% to 0.02%	Moderate* range.	Increased alcohol intake.
0.03% to 0.04%	Moderate* range.	Increased alcohol intake.
0.05% to 0.10%	Warning* range.	Ability to drive may be impaired.
0.10% and over	High Risk* range.	Legal driving limit for BAC exceeded.

**Drinking alcohol in ANY amount may impair the ability to drive. There is no “safe” level of alcohol intake before driving. Don’t drink and drive.*

5. **Warnings.**

- a. 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.
- 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 SafeDrive as a tool to drink and drive.
- e. Keep out of extreme temperatures and out of the reach of children.
- f. To self-calibrate the unit, please see the Calibration section.

6.

Calibration. To calibrate your SafeDrive, please follow these instructions:

- a. Press and hold the Power button for at least 4 seconds. The LED lights will move back and forth across the display. You will now perform two calibrations in a row.
- b. After several seconds, you will see a solid GREEN light. While still holding down the Power button, blow into the sensor opening (with no alcohol on your breath) for about three (3) seconds. Do not release the Power button. The LED lights will move back and forth, and you will see a solid GREEN light again. Blow again into the sensor opening for about three (3) seconds.
- c. After both calibrations, you will see a flashing GREEN light. You may now release the Power Button. The unit will shut itself off (or you can now tap the Power Button to turn off the unit).

7. **Specifications for SafeDrive.**

Method of Measure	Breath sample to BAC
Range	0.00% to 0.10%+
Sensor	Micro electromechanical
Power	One 1.5V AAA battery (included)
Testing Capacity	Approx. 200-300 with new batteries
DOT Approved	YES
Operating Temperature	10 – 40 degrees Celsius
Warm Up	Less than 1 minute
Display	LED indicators (5 ranges)
Weight	31 g
Recalibration	Self-calibration

8. **Warranty.** The manufacturer warrants the product to be free from defects in workmanship or material (excluding calibration) under normal use for ninety (90) days 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.

9.

Support. For technical support, please contact us using the information below.

AK Solutions USA, LLC

21 Grand Ave. Suite 103

Palisades Park, NJ 07650

Tel: 201.943.9411

Fax: 201.943.8828

Email: info@PersonalAlcoholTester.com

Web: <http://www.PersonalAlcoholTester.com/>