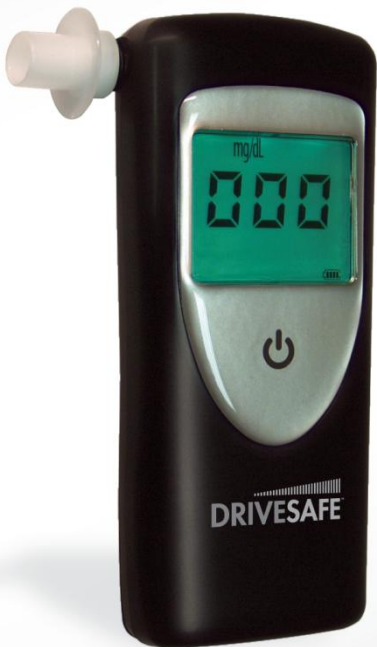




DRIVESAFE™

BREATH ALCOHOL TESTER



ACS 

ALCOHOL COUNTERMEASURE SYSTEMS

Owner's Manual

Thank you for purchasing Drivesafe - a breath alcohol tester that measures the alcohol level in human breath. Your purchase demonstrates your concerns over risks associated with the use of alcohol.

Based on your jurisdiction, your Drivesafe comes with preset levels that indicate whether the alcohol breath test result is considered a fail (red backlight), warning (amber backlight) or pass (green backlight).

Note. It can take up to an hour for the alcohol to be fully absorbed from when it was consumed.

Safety & Precautions

Take the following precautions to ensure smooth and uninterrupted use of your tester:

- Use the product for its intended purpose only.
- Use AA Alkaline batteries only.
- Do not store in extreme heat or cold and avoid exposing Drivesafe to direct sunlight for extended periods of time.
- Do not blow smoke or any fluids into the mouthpiece, as these can damage the sensor.
- Do not open the casing. Doing so will void the warranty and may also damage the internal components.
- Keep all magnets and transmitting devices (such as mobile phones) away from the tester to minimize RF interference.
- The ambient temperature for the tester is 0°C to +50°C.

Warranty

All ACS products are warranted to be free of defects in workmanship and materials for a period of one year from the date of shipment.

ACS agrees to replace or repair any defective breath alcohol tester, provided the defect was not caused by misuse or mishandling.

Breath Alcohol Testers being returned for warranty repairs must be properly packaged and shipped prepaid to an authorized service provider.

Contact information for service inquiries:

Email: service@acs-corp.com

Website: www.acs-corp.com

Toll Free (North America): 1-877-227-7112

Maintenance

Clean your tester with a damp cloth and mild soap. Do not use abrasive cleaners or solvents. Store in a dry place and avoid extreme temperatures.

Drivesafe requires periodic maintenance and calibration. It is recommended to calibrate the tester once every year or after 5,000 tests, whichever occurs first. The calibration must be performed by authorized service personnel only. The display flashes a **CAL** message when the tester needs to be calibrated. Failure to calibrate the tester as necessary may result in inaccurate readings.

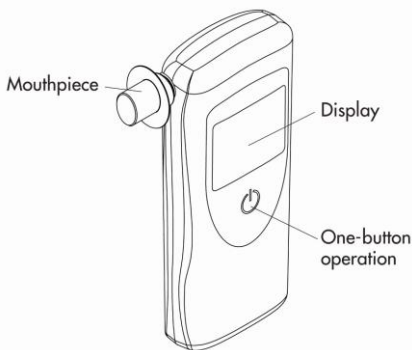
Table of Contents

Getting Started	1
Power On / Power Off	2
Battery	2
Taking a Breath Test	3
Troubleshooting	5
Index	7

Getting Started

Drivesafe is a personal breath tester that is accurate and easy to use. It measures breath alcohol concentration (BrAC), which is directly proportional to your blood alcohol concentration (BAC). Drivesafe has only one button, making it very easy to operate.

This section familiarizes you with the parts and basic features of the breath alcohol tester.



Power On / Power Off

Press the Power button once to power on Drivesafe. As the tester goes through a startup sequence, you will see a flashing **WAIT** message on the display (approximately 3 seconds). A green backlight with a **READY** message on display indicates that the tester is ready for use.

The tester shuts down automatically after 45 seconds of inactivity. Press the button twice in quick succession to turn it off manually.

To power on Drivesafe for the first time, pull the plastic tab from the battery compartment. You do not need to open the cover to remove the tab.

IMPORTANT: Power off the tester *before* removing the batteries as it could affect the calibration.

Battery

The tester requires two "AA" alkaline batteries to operate. To insert, remove the rear cover by lifting it up. The tester can perform up to 1000 tests with a set of new batteries. The indicator at the bottom right of the display indicates the battery life remaining.

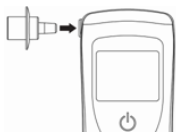
When the battery indicator on the display starts flashing, you should change the batteries.

However, you can continue to use the tester. If you see **E01** error message, you have to change the batteries before you can perform another breath test.

Taking a Breath Test

Note. Certain things like drinking or smoking may distort the results of a breath alcohol test. It is recommended that you rinse your mouth or wait for at least 20 minutes, before a test.

1. Connect the mouthpiece to Drivesafe. To ensure accurate results, use a new mouthpiece every time. A used mouthpiece may be contaminated from the previous tests that may result in inaccurate readings.



2. Power on the tester by pressing the button. You will see a flashing **WAIT** message, as the tester goes through the startup sequence. A **READY** message on the display indicates the tester is ready.
3. Take a deep breath and blow into the mouthpiece moderately, and at a constant speed and pressure. You should hear a continuous beep, indicating a proper breath flow.



*Note. If the breath sample is intermittent, too hard or too soft, you will hear two beeps with an **ABORT** message on the display. Wait for the **READY** message and blow again.*

4. Stop blowing when you hear the click and the tone stops (after approximately 5 seconds). This indicates that the sampling process is complete.
5. The tester analyzes and displays the results.



The time taken (few seconds) depends on the amount of alcohol present in the breath sample and the air temperature.

Troubleshooting

If the tester:	Then:	Refer:
Does not turn on	<ul style="list-style-type: none">• If using for the first time, remove the small plastic tab from battery compartment• Change the batteries	page 2
Is displaying irregular results	<ul style="list-style-type: none">• Change the mouthpiece. Use part number 95-000145, to order more mouthpieces from ACS• Check if CAL message is flashing on the display. This indicates that a calibration is due. Though you can continue to use the tester, it is strongly recommended that you send the tester for calibration immediately• If you have eaten or smoked prior to taking the test, rinse your mouth or wait for at least 20 minutes and repeat the test	page iii, 3
CAL is flashing on the display	<ul style="list-style-type: none">• Your Drivesafe is due for a calibration. Contact a service centre• Drivesafe should be calibrated every year from the first date of use or after every 5,000 tests• You may see the CAL flashing even though the tester may not be due for a calibration if you remove the batteries without powering off the tester	page iii, 3

If the tester:	Then:	Refer:
Has a clogged or dirty mouthpiece	Change the mouthpiece Use part number <i>95-000145</i> , to order more mouthpieces from ACS	page 3
Displays error code E01	Change the battery. The tester will not go to the ready state unless you change the batteries	page 2
Displays these error codes: E02, E03, E04, E05, E06, E07, E08	These errors can occur during the power-up sequence and indicate that the tester requires service. Contact ACS for return procedure	page iii

Index

BAC	1	Power	
Battery	2	on	2
BrAC	1	off	2
Getting Started	1	Testing	3
Maintenance	3	Warranty	3



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