

**Safety.** In the palm of your hand.



ALCOHOL COUNTERMEASURE SYSTEMS



## A History of Innovation

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Since its inception in 1976, Alcohol Countermeasure Systems (ACS) has been committed to improving breath alcohol testing technology and making our roads safer.

Our innovative products and program services offer safety-conscious governments, forward thinking companies and individuals solutions to protect lives and secure capital investments. As a result of our efforts, drink driving statistics have notably improved, and millions of dollars are saved by reducing property damage and business interruptions.

These trends and our focus on product and service innovation continue to accelerate.

From our corporate office in Toronto, Canada, ACS supplies products and program services around the world through our regional satellite offices and works with governments and industry partners at the local level on every continent. Where customer, employee or public safety are priorities - our breath alcohol testing technology reduces risk and improves operational safety.



## Our Markets

## A worldwide objective met through regional focus

ACS is able to offer internationally recognized manufacturing quality while quickly meeting customer service needs and tailoring programs at the local level.

We have offices around the globe, immersed in the culture and laws of every region.

■ ACS Corporate Offices  
■ Current ACS Markets



# ALCOLOCK™ Alcohol Interlocks

Our alcohol interlocks set the standard in accuracy and reliability, in compliance, commercial and personal applications.

## ALCOLOCK™ Alcohol Interlocks

### What is an alcohol interlock?

An alcohol interlock is a device that prevents a vehicle from starting if the driver has a breath alcohol concentration (BrAC) over a preset limit. The alcohol interlock consists of a handheld breath alcohol tester and an electrical control unit (ECU) that is connected to the starting mechanism of any vehicle.

### How does it work?

Before starting the vehicle, the driver is required to provide a breath sample through a hygienic mouthpiece. A sensor within the handset analyzes the breath sample and gives a precise measurement of the BrAC; if it is below the preset limit, the vehicle is able to start.

During operation of the vehicle, the driver may be prompted to provide additional breath samples to ensure that they have not consumed alcohol during vehicle operation. Alcohol interlocks never stop the engine while the vehicle is operating; they do, however, record events and policy violations for monitoring purposes.

### Are there ways of circumventing an alcohol interlock?

Anticircumvention is an important part of any alcohol interlock device. Our ALCOLOCK alcohol interlocks include features that prevent bypassing of operating and recording functionality.

# Compliance Monitoring

ACS offers compliance monitoring services via its ALCLOCK™ service delivery network to jurisdictions around the globe.



## Compliance Monitoring

### ALCLOCK™

At ALCLOCK, the goal of our compliance monitoring programs is to rehabilitate DUI offenders on the way to licence reinstatement. Knowledgeable, friendly service and continuous support from our service delivery network make this possible.

### Service

Our ignition interlock programs feature reliable and easy-to-use devices, full client training on the equipment and program requirements, and 24/7 technical support. ALCLOCK is committed to client service and to the success of all program participants.

### Safety

Safety is a focus throughout our operations and we are committed to helping our clients and jurisdictional authorities maintain safety on the road. Authorities are promptly informed of any program violations, enforcing the need to dissociate drinking and driving for the client.

### Quality

The ignition interlocks used in our programs meet the highest standards for reliability and functionality having the latest in sensor technology to ensure that our program clients do not drink and drive. Offering internationally recognized manufacturing quality, our global operations are supported with industry leading product and service quality, and are certified to ISO 9001, ISO 14001 and ISO/TS 16949.

### Data Management

InterTrack™ is our web-based software application for compliance monitoring. It can be accessed through a secure Internet connection, is customizable based on user preferences and enables program authorities to be promptly informed of any program violations.



# The ALCOLOCK™ LR max

Used in compliance monitoring, the ALCOLOCK LR alcohol interlock features an interactive handset used to perform breath alcohol tests and communicate with the driver.



## The ALCOLOCK™ LR max

### Professional-grade technology

Breath alcohol analysis is conducted by two independent electrochemical sensors to enhance the reliability and accuracy of the measurement.

### Secure data handling

Event log files and communication are protected with AES 128 bit encryption, securing the memory and transmission of data files. Integrated flash memory preserves the event log when the vehicle battery is disconnected.

The ALCOLOCK LR max includes GPS/GPRS wireless communication for real-time transfer of critical log events.

### Anti-circumvention

Breath signature technology ensures that accepted breath samples come directly from a human subject and have not been filtered or altered before the alcohol sensor performs the analysis.

Facial biometrics and hum tone recognition are used to verify driver identity.



# Commercial Applications

Fleet administrators, keen to protect their assets and employees, are recognizing the statistical reduction of alcohol related incidents when vehicles are equipped with an alcohol interlock.



## Commercial Applications

### Customizable alcohol interlocks

Fleet owners enjoy tailored solutions that are designed specifically for commercial applications. ALCOLOCK alcohol interlocks can be installed in any vehicle, from taxis to trucks, heavy equipment vehicles to ships. Options available to business owners include: mandatory retests during vehicle operation, retests when changing drivers and adjustable analytics.

### Original equipment manufacturing (OEM)

Our alcohol interlock solutions start right at the assembly line. As a Tier 1 automotive supplier, ISO/TS 16949 certified, we can meet any customer requirements. Through extensive market planning, innovative designs and prototypes, technical validation and full production, our product development process offers customers industry specific solutions.

### Wireless

Integrated networking capabilities using Wi-Fi and GSM wireless networking technology deliver reliable, fast, and flexible mobile functionality. ACS interlock products enable wireless file transfer, fleet tracking and surveillance, and ensure that your business operates without delays or downtime.

### Data Management

ACS offers licensed use of our CITE™ software application for fleet management. Designed to work across all operating system platforms and compatible with smartphones and tablets, encrypted test data from our alcohol interlocks can be downloaded for monitoring, tracking and trending purposes. Accessible through a secure Internet connection, CITE is customizable, allowing administrators to add vehicles and users, change certain handset parameters, view usage and vehicle operational metrics and create customizable views.



# The ALCOLOCK™ V3

The ALCOLOCK V3 alcohol interlock is designed specifically for commercial environments, featuring proven durability and customizable testing features.



## The ALCOLOCK™ V3

### Quality engineering

Work environments can be demanding. The ALCOLOCK V3 alcohol interlock is engineered to withstand vibration, dirt, dust, humidity and extreme temperatures typically found in many commercial applications.

### Programmable to suit your business

Drivers can be tested at the beginning or throughout their shift by programming the ALCOLOCK V3 alcohol interlock to meet safety policy requirements. Optional proprietary software allows valuable reporting of events such as breath test results, times, dates and more. Event logs can be accessed from a central server or transmitted to a fleet management application.

### Emergency override

A vehicle will never be left stranded by a malfunctioning unit, thanks to the built-in emergency override switch. Its use is monitored to prevent anyone from using it to circumvent the ALCOLOCK V3 device, to ensure that your business keeps moving under safe conditions.

In addition, if utilizing an optional telematics platform, real-time vehicle operational metrics and operator statistics will be monitored and reported.





# Evidential Analyzers

In order to be valid in a court of law, breath alcohol tests must be administered using an approved device that is foolproof and extremely accurate every time. ACS infrared technology offers the most reliable evidential analyzers available.

## Evidential Analyzers

### SAF'IR™ evolution

The SAF'IR evolution evidential breath alcohol tester uses infrared spectral technology, considered the most accurate method of testing breath alcohol concentration. It is the first infrared evidential analyzer small enough to carry in one hand.

The device is ready to use within a minute of turning on and an intuitive user interface makes it easy to use in the field; so does the long life of the battery – usage time can increase when plugged into the vehicle via an adapter. Results can be printed instantly or recalled on a tablet or for printing on a Bluetooth printer.

The SAF'IR evolution is OIML R 126 certified, making it ideal for law enforcement applications.



### ALERT™ J5

The ALERT J5 uses electrochemical technology to detect breath alcohol - the standard in law enforcement breath testers. The long term stability of the sensor means you can count on accurate results year after year.

With both passive and active testing capabilities, the ALERT J5 is available with multiple language options and easily allows you to capture breath samples, print test results with the optional print function, and recall previous tests in seconds. Whether a simple Pass/Warn/Fail or a precise numerical value is required, the ALERT J5 meets the demand.



# Portable Breath Alcohol Testers

ACS portable breath alcohol testers are light, compact and affordable. They provide quick and accurate results, making them ideal for occupational and personal safety.

## Portable Breath Alcohol Testers

### ALCOSCAN™

The ALCOSCAN passive breath alcohol tester is easy to use and features a high performance electrochemical sensor. This tester does not require a mouthpiece or active user participation. It is able to 'sniff' the environment for the presence of alcohol. It is ideal for schools, bars and the workplace. It will optionally store a log of time-stamped tests that can be uploaded to a database.



### ALERT™ J4X

The ALERT J4X professional breath alcohol tester is trusted for use in the workplace around the world. Its full-featured design provides users with objective results. It uses one button to control power, testing, data recall and calibration. The bright LCD display is highly visible in dark environments and optional memory is ideal for storing test data.





# Personal Breath Alcohol Testers



## DRIVESAFE™ exec

The DRIVESAFE exec personal breath alcohol tester is an affordable personal solution designed for accuracy and reliability. It provides accurate results in seconds using our newest electrochemical sensor and provides the results clearly on the LCD display. DRIVESAFE has the trust of transportation safety professionals for more than 20 years.



## DRIVESAFE™ elite

The DRIVESAFE elite is a personal breath alcohol tester that is simple to use and understand. Compact and discreet, this tester can be stored in pockets, purses or glove boxes to make them accessible at any time.

## DRIVESAFE™ élan

The DRIVESAFE élan has a lightweight and durable design. It conveniently measures breath alcohol anywhere. The élan tester pairs with a smartphone App and saves each breath test in your phone. Based on your personal needs, you can customize the App for a unique interactive response.



## DRIVESAFE™ evōc

The DRIVESAFE evōc is a personal breath alcohol tester that provides you the option to call a friend or taxi if you are over the BrAC drink driving limit. Compatible with Apple iOS and Android operating systems. The evōc allows you an option to share or tweet your results. Simply download the App and follow the instructions on screen.



## DRIVESAFE™ express

The DRIVESAFE express is a single use tester for convenient use anywhere, anytime. Simply break the safety seals and breath into the tube for a quick measurement of your BrAC.



# Specialty

ACS offers a range of drug testers and specialty testing devices for a variety of industrial, criminal justice and business applications.



## Specialty

### RELIANT™

RELIANT is the most technologically advanced remote monitoring unit, featuring subject tracking, biometric identification, alcohol monitoring and online communications, with scheduling, messaging and remedial intervention.



### DrugWipe™

DrugWipe testers detect drug presence in saliva, sweat or on surfaces. For the detection of cannabis, opiates, cocaine, amphetamines, methamphetamines, ecstasy, methadone, ketamine and benzodiazepines.





# Metrology

ACS produces the calibration equipment and alcohol reference solutions necessary for calibration in the field.



## Metrology

### ALCOSIM™

The ALCOSIM breath alcohol simulator is an easy and accurate way to calibrate or verify breath alcohol testing instruments.

Carefully maintaining the temperature of alcohol reference solution, it produces an air-alcohol sample of precise concentration.

The electronic design provides temperature stability to within 0.01 °C as required by ISO 17025 labs.



### Alcohol Reference Solution (ARS)

The ACS alcohol reference solution is premixed, ready for immediate use with a breath alcohol simulator, eliminating the requirement of mixing in the field.

The solution is traceable to the NIST (National Institute of Standards and Technology) reference standard and has a verified 2 year shelf life.

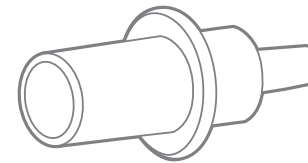


# Mouthpieces

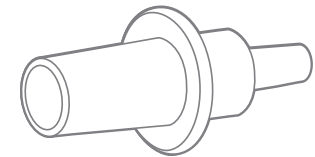
ACS carries a range of disposable mouthpieces for use in interlocks and portable breath testers.

## Mouthpieces

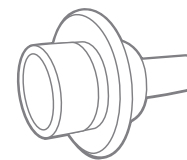
Our individually wrapped mouthpieces are used in all ACS breath alcohol testers, as well as compatible with other breath alcohol testers.



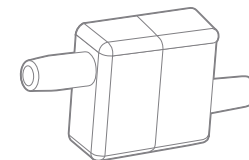
**One-Way Flow Mouthpiece**



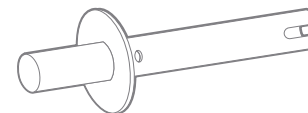
**Round Mouthpiece**



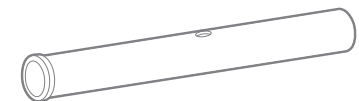
**Oval Mouthpiece**



**Square Mouthpiece**



**SAF'IR evolution Mouthpiece**



**Pressure Tube Mouthpiece**



Alcohol Countermeasure Systems (ACS) is a leading producer of alcohol interlocks and breath alcohol testers. ACS designs and manufactures industry-leading evidential and personal breath alcohol sensing equipment used by safety conscious governments, forward thinking companies and individuals around the world.

For more information about ACS, ALCOLOCK technology and its applications, please visit [acs-corp.com](http://acs-corp.com) or shop online at [mydrivesafe.com](http://mydrivesafe.com).

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