



## **ALCOHOL COUNTERMEASURE SYSTEMS**

PRODUCT PRESENTATION 2018



# Alcohol Interlocks

# ALCOLOCK™

Compliance Alcohol Interlocks





- Designed for compliance programs for drink driving offenders
- Prevents vehicle from starting unless the driver provides a breath sample below the limit
- Records event data for secure transmission to authorities
- Tamper-resistant to comply with international performance standards
- Optional wireless communication: Wi-Fi, GPRS, GPS
- Optional integration with FOCUS camera for driver identification



- Designed for compliance programs for drink driving offenders
- Prevents vehicle from starting unless the driver provides a breath sample below the limit
- Records event data for secure transmission to authorities
- Tamper-resistant to comply with international performance standards
- Wired or wireless operation



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# ALCOLOCK™

Commercial Alcohol Interlocks





- Range of integrated solutions for commercial vehicle management
- Designed for use in:
  - Trucking
  - Coach and bus
  - School transportation
  - Public transportation
  - Taxi
  - Mining
  - Construction
- Monitor and control vehicle use
- Designed for both OEM and aftermarket installation



- Electronic Control Units (ECUs) are specifically designed for commercial safety management
- Full event data recording with GPS coordinates
- Wireless data transmission via Wi-Fi, GPRS or Bluetooth
- Integration with telematic devices for management and oversight through ALCOFLEET
- ECU variants available for diverse fleet sizes and requirements



- Optional accessories combine with L series to enhance safety
- FOCUS camera
  - Takes a picture of the driver with each critical event
  - Image is sent with the test results to confirm driver identity
- L Connect
  - Handset-only solution
  - Integrates directly into telematics systems and taxi meters



- Designed for commercial fleet safety management programs
- Prevents vehicle from starting unless the driver provides a breath sample below the limit
- Rugged construction and reliable operation
- Monitor operational vehicles remotely through a secure network application and telematic integration



Law Enforcement

# SAF'IR™

Evidential Breathalyzer





- Industry-leading portable evidential breath alcohol tester
- Infrared (IR) technology ensures highest available accuracy
- Detects presence and concentration of alcohol in breath
- Real-time analysis and mobile accuracy
- Evidence can be stored, printed, or downloaded
  - GPS coordinate record storage
  - Bluetooth printing
  - Download via direct USB connection
- User-friendly graphic display
- Robust construction

# **ALERT™**

Professional Breathalyzers





- Portable breath alcohol tester used in commercial and law enforcement operations
- High-performance electrochemical sensor, the standard used by law enforcement
- Quick response and rapid recycle between tests
- One button operation
- Icon display guides user through testing sequence



- Portable breath alcohol tester used in commercial and law enforcement operations
- High-performance electrochemical sensor, the standard used by law enforcement
- Active and passive breath sampling functionality
- Increased storage capacity
- Bluetooth printing capability

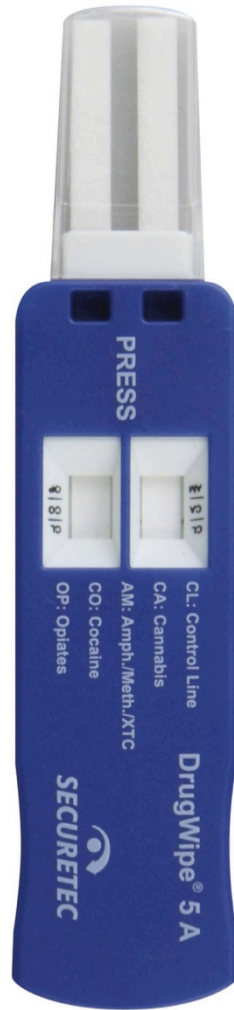
# DrugWipe®

Drug Screening Solutions





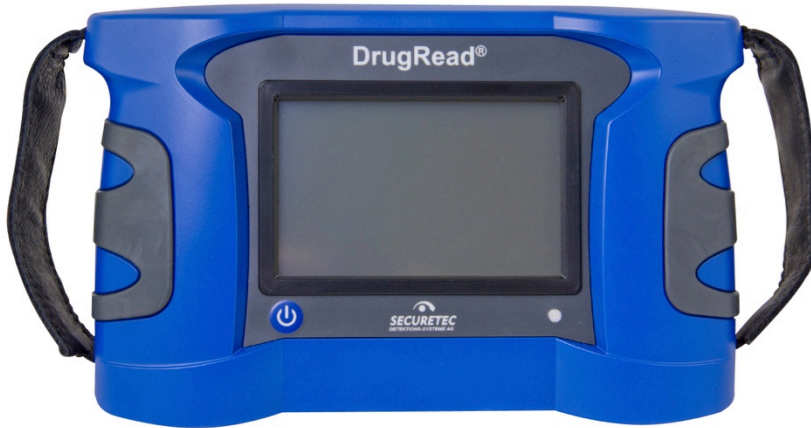
- Hygienic one-time use oral fluid drug test
- Reliability greater than 95%
- Requires only 10 µL test sample
- Accurate test results in 3-8 mins
- Test for a range of drugs:
  - Amphetamines
  - Benzodiazepines
  - Cannabis
  - Cocaine
  - Methamphetamines
  - Opiates
- Test of choice for police officers, customs officials, border control, rehabilitation clinics, correctional facilities, and EMS personnel



- Hygienic one-time use drug test (saliva, sweat, surfaces)
- Reliability greater than 95%
- Accurate test results in 3-8 mins
- Test for a range of drugs:
  - Amphetamines
  - Benzodiazepines
  - Cannabis
  - Cocaine
  - Methamphetamines
  - Opiates
- Test of choice for police officers, customs officials, border control, rehabilitation clinics, correctional facilities, and EMS personnel



- Hygienic one-time use surface drug test
- Reliability greater than 95%
- Accurate test results in 3-8 mins
- Test for a range of drugs:
  - Amphetamines
  - Benzodiazepines
  - Cannabis
  - Cocaine
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- Test of choice for police officers, customs officials, border control, rehabilitation clinics, correctional facilities, and EMS personnel



- User-friendly interpretation of DrugWipe® saliva tests
- Mobile opto-electronical photometer for analysis and documentation
- Objective, documented and reliable – shows a clear YES or NO result
- Easy to use touch screen with high brightness
- Compatible with Bluetooth printer for printed results on the spot
- Ideal for use at roadside control, border checkpoints, police departments, rehabilitation clinics, and correctional facilities



# Criminal Justice



# RELIANT™

Remote Alcohol Monitoring





- Confirm adherence to alcohol-free or zero tolerance policies in community supervision, home confinement or 24/7 applications
- Used in electronic monitoring programs for subjects on pretrial, parole, probation or court order
- Biometric ID confirmation (facial, ECG, fingerprint)
- Location-based breath alcohol measurements
- GPS coordinates with data and time stamp tracks offender progress
- Real-time reporting through GSM, Wi-Fi or LAN



- Confirms adherence to alcohol-free or zero tolerance policies for persons on probation or supervision
- Enables monitoring personnel to remotely determine compliance
- Biometric ID confirmation (facial, ECG, fingerprint)
- Location-based breath alcohol measurements
- GPS coordinates with data and time stamp to track offender progress
- Real-time reporting through GSM, Wi-Fi or LAN



- Portable breath alcohol tester connected to a smartphone
- Communicates with a central database for electronic monitoring and remote supervision
- Cellular and Bluetooth connectivity
- Image capture and geo-localization functions
- Subject tracking, biometric ID and alcohol monitoring
- Online scheduling, messaging and remedial intervention



Health & Safety

# ALCOSCAN™

Passive Breath Alcohol Tester





- Easy-to-use passive breath alcohol tester
- Detects the presence of alcohol within the ambient environment
- Highly sensitive electrochemical sensor processes a sample from the air
- Provides results in seconds
- No mouthpieces or special attachments required

# ALCOSENTRY™

Alcohol Screening System





- Access control system with breath alcohol monitoring
- Controls access to secure environments
- Processes as an autonomous unit or through LAN connection
- Designed for safety sensitive industries with high volume screening requirements
- Ensures safety of personnel
- Fully automated and non-invasive

# ALCOLAB™

Breath Alcohol Tester





- Breath alcohol tester designed for public use and safety sensitive industries
- Professional-grade accuracy and user friendly operation
- Users can self-administer breath alcohol tests
- Fully automated and easy to use
- LED display indicates BrAC level and reference limit



- Alcohol monitoring in the workplace or in public venues
- Convenient, safe and accurate
- Interactive display in a compact, lightweight, durable design
- Connects with Bluetooth or LAN
- Multifunctional applications in bars, clubs or restaurants, corporate events and safety control



Personal Safety

# DRIVESAFE™

Personal Breathalyzers





- High-performance electrochemical sensor
- Icons on the LCD screen guide user through test sequence
- All functions are controlled using a single button
- Simple, robust design for use in clinical or industrial settings
- Results displayed on 3-digit LCD screen, with a graphical intensity meter and tri-colour backlight

# DRIVESAFE™ elite | Personal Breathalyzer



- High-performance electrochemical sensor
- Guides the user through the test sequence
- Results are displayed quickly and clearly
  - 4-digit LCD screen guide (standard version)
  - 3 LED Pass/Warn/Fail indicator (Bluetooth version)
- Compact design for easy, discreet use



- High-performance electrochemical sensor
- Pairs with smartphone via USB cable
- Prompts on the screen guide user through the breath alcohol test
- Test results are displayed directly on your phone
- Record height, weight and gender for personalized estimates of Breath Alcohol Concentration (BrAC)



- High-performance electrochemical sensor
- Pairs with smartphone via Bluetooth wireless connection
- Prompts on the screen guide user through the breath alcohol test
- Smartphone app displays and stores test results and gives an estimated time to recover sobriety
- Share test results via Twitter, Facebook, or text message



- Single use breath alcohol tester
- Discreet, convenient, and non-invasive
- Provides accurate, easy to read reliable results
- Crystals change colour upon detection of alcohol when the user blows through the tube
  - The more intense the colour, the higher the alcohol concentration
- Four level indicator to easily see BrAC results in 2 to 4 minutes



# Metrology

# ALCOSIM™

Breath Alcohol Simulator



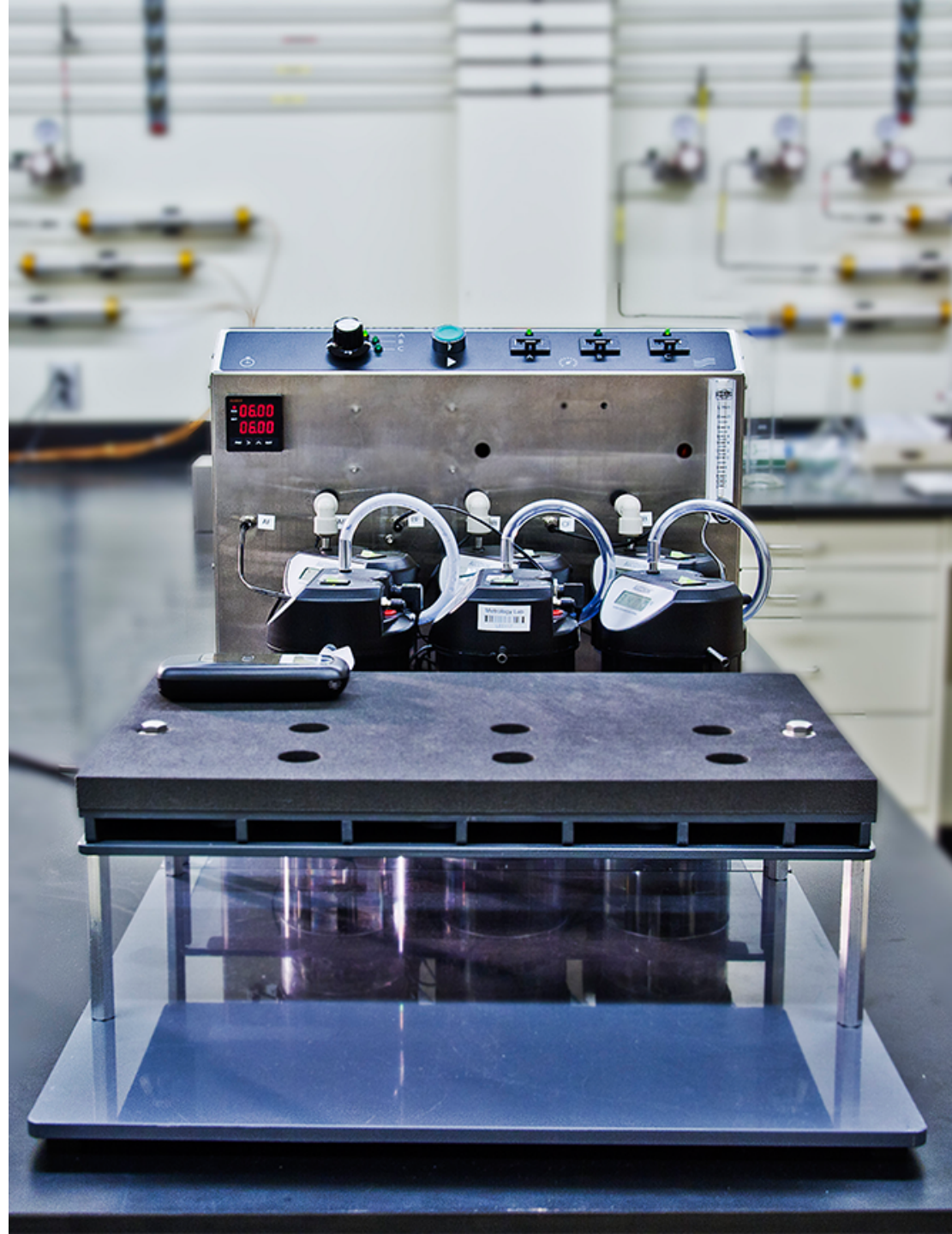


- Breath alcohol simulator for easy and accurate calibration or verification of breath alcohol testing instruments
- Carefully maintained alcohol reference solution temperature to  $34 \pm 0.02$  °C
- Produces an air-alcohol sample of precise concentration
- Fully compatible for use by ISO 17025 qualified test laboratories

# ALCOSIM™

calibration bench

Calibration Solution





- Multi-tiered laboratory station for calibration of all handheld breath alcohol testers
- Optimizes gas flow and alcohol reference solution use
- Eliminates human error
- Provides consistent simulated breath samples
- Three tandems can be used with different concentrations of alcohol reference solution
- Able to calibrate a breath tester to a wide range of thresholds

# METROLOGICAL TEST BENCH

Calibration Solutions





- Designed for type testing of breath alcohol instruments against international standards
- Provides the means for high volume verification testing of alcohol breath testers
- Combined system optimizes mass flow control and proportional valve release
- Provides high flexibility and multiple component mixture
- Optimal pressure, flow, temperature and volume control



- Standard calibration reference for the large Metrological Test Bench
- Small calibration bench used in conjunction with the larger bench
- Reduces downtime as a result of the need for external recalibration

# ARS™

## Alcohol Reference Solutions





- Premixed and ready for immediate use with a breath alcohol simulator
- Eliminates the requirement of mixing in the field
- Accuracy of the concentration is traceable to NIST reference standard
- Verified 2 year shelf life



# Accessories

# MOUTHPIECES



# MOUTHPIECES

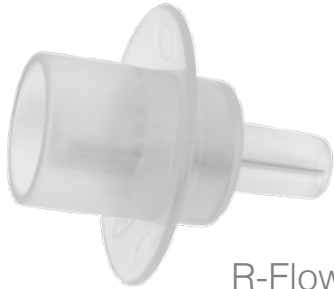
## Accessories



Square



ASIV



R-Flow



Oval



Round

- Individually wrapped
- Used in all ACS breath alcohol testers
- Compatible with other breath alcohol testers



Saf'IR

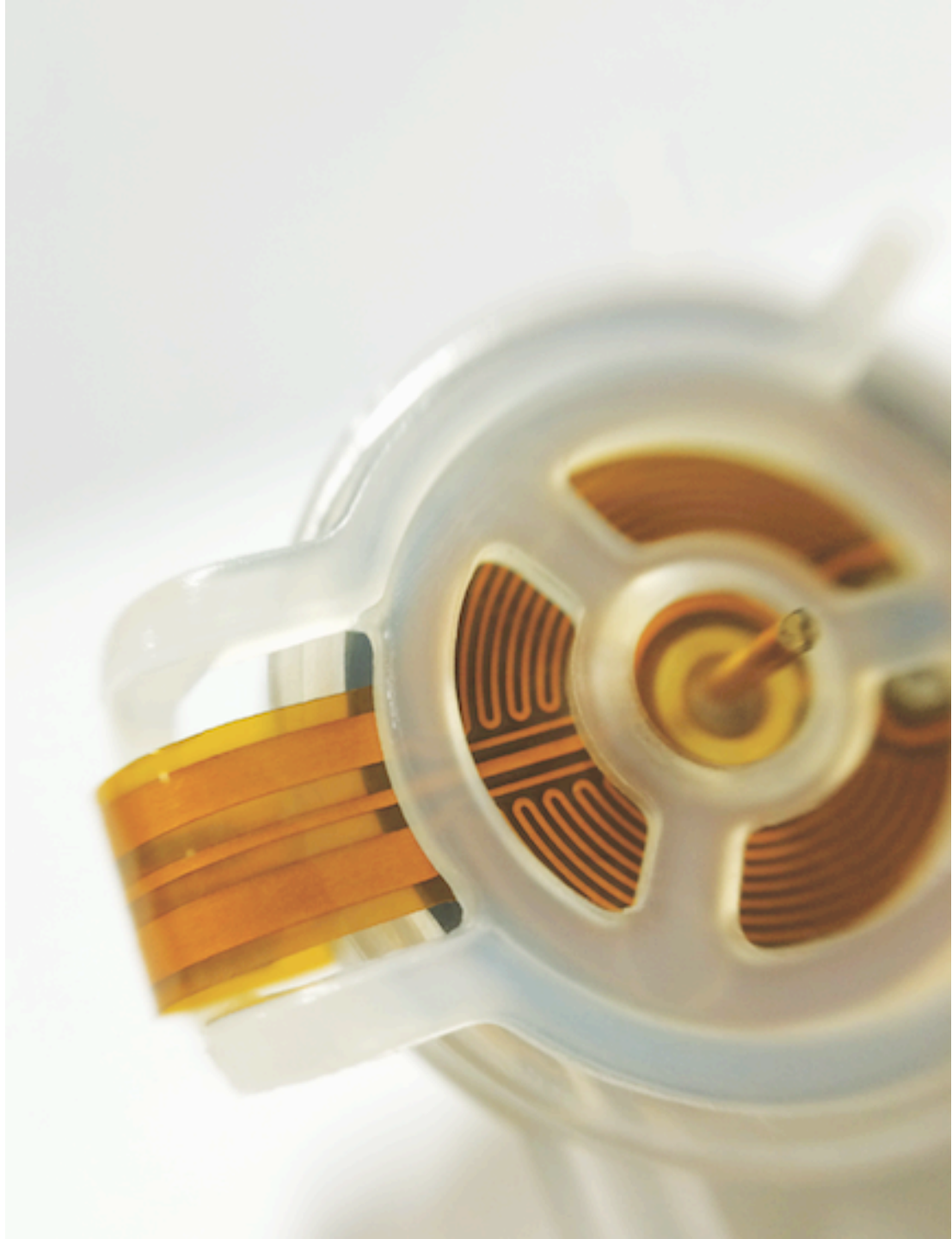


Pressure tube



Straight tube

# SENSORS





Mini sensor



Micro sensor

- Electrochemical sensor technology
- Detects the concentration of alcohol by means of a chemical reaction and measurement of an electrical current
- Specific for alcohol detection with no response to ketones or hydrocarbons
- Used by police officers, employers and other professionals

# Certifications

ACS is proud of its operations and quality management. We have achieved some of the industry's best known quality management certifications.

