

SAF'IR™ Evolution

Evidential Breath Analyzer



Evidence in the
palm of your hand



SAF'IR Evolution is the industry's first handheld infrared breath alcohol tester, perfect for police applications. Able to withstand harsh conditions, this rugged evidential analyzer is a reliable partner for any law enforcement official.

Reliable mobility

SAF'IR Evolution is a full-featured evidential breath analyzer optimized for portable handheld use. Its ergonomic design, simple and intuitive user interface and rechargeable battery ensure fast and accurate sample collection in any environment.

Quick test analysis

SAF'IR Evolution features a start-up time of less than one minute, providing instant response times and immediate on-screen display of all test results. The innovative multi-use design allows for evidential, screening, and passive tests to be performed, all on one device.

Evidential sensor

SAF'IR Evolution uses our most advanced alcohol-specific infrared sensor to guarantee the best evidential results possible. Each sample is analyzed with evidential accuracy, helping officers complete their job safely and efficiently.

Evidence in your hand

SAF'IR Evolution stores the result of each breath test it performs, which can be recalled at any time. Print evidential results in the field, complete with timestamps and GPS* coordinates, by pairing SAF'IR Evolution with a portable Bluetooth® printer.

Your safety, our promise

ACS is accredited to a range of international quality management systems that ensures high quality design and manufacturing of all products and services while balancing or respect for the environment. Our commitment to safety, quality and customer service defines our industry leadership.

* GPS is optional

Quality management certifications



Sensing technology
Infrared absorption



Specificity
Alcohol only



Accuracy
±0.02 @ 0.40 mg/L



Display
Graphic LCD



Unit of measure
mg/dL, g/dL, g/L in blood
mg/L, µg/dL, µg/L in breath



Range of measure
0.00 to 3.00 mg/L



Time to ready
< 5 seconds



Analysis time
Immediate



Recycle time
< 10 seconds



Data memory
10,000 time-stamped events



Data transfer
PC via USB cable and ACS
proprietary software



Printer
Thermal, Bluetooth®



Operating temperature
-10 °C to +50 °C



Battery
Built-in rechargeable NiMH battery



Dimensions
85 mm x 255 mm x 46 mm



Weight
655 grams



Calibration
ALCOSIM™ breath alcohol simulator
or dry standard gas



Certifications
OIML R 126 1998, 2012 – edition
international recommendation
US DOT NHTSA

ACS

ALCOHOL COUNTERMEASURE SYSTEMS

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Warranty. ACS products are warranted to be free from defects in workmanship and material for one year from the date of purchase. Only qualified technicians should perform maintenance on any breath alcohol testing products. ACS breath alcohol testers are designed to provide accurate test results when used with our certified mouthpieces. Compliance with product certification is dependent upon the use of ACS parts. Using a mouthpiece that is not produced by ACS may affect the product certification by causing inaccurate readings.

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