

SAF'IR™ Evolution

Evidential Breathalyzer

Available through:



Alcohol Countermeasure Systems

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Designed in Canada by
Alcohol Countermeasure Systems Corp



Warranty

All ACS breath alcohol testers 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 tester.

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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 breathalyzer 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

ISO TS 16949, ISO 9001, ISO 14001, ISO/IEC 17025 and ISO 17034 certified, ACS ensures high quality design and manufacturing of all products and services while balancing our respect for the environment. Our commitment to safety, quality and customer service defines our industry leadership.

* GPS is optional



Sensing technology
Infrared absorption



Specificity
Alcohol only



Range of measurement
0 to 800 mg/dL



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



Time to ready
< 30 seconds



Analysis time
< 10 seconds



Recycle time
< 20 seconds



Accuracy
±5 @ 100 mg/dL



Display
Graphic LCD



Memory
3,200 time-stamped events



Printer
Thermal, Bluetooth



Data transfer
PC via USB cable and ACS
proprietary software



Operating temperature
-10 °C to +50 °C



Battery
Built-in rechargeable NiMH battery



Calibration
ALCOSIM™ breath alcohol simulator
or equivalent



Dimensions
85 mm x 255 mm x 46 mm



Weight
600 grams



Certification
OIML R 126 1998 – edition
international recommendation