

# Intoximeters

Experience • Service • Integrity



## Alco-Sensor® V<sub>XL</sub>

Evidential-grade, handheld unit with a patented rear-facing display

Made in the U.S.A.

**Intoximeters' instruments have been proven time and time again to be the most accurate on the market. Having the distinction of being the oldest breath alcohol instrument manufacturing company in business today, we have led the breath alcohol testing industry since 1945.**

Since the 1970's, the Alco-Sensor® line of handheld breath alcohol detectors has defined and has been at the forefront of innovation in the handheld breath alcohol analyzer market. With over 500,000 instruments placed into service, Intoximeters has an advantage over its competitors. We have market knowledge and experience acquired through customer feedback from more than 70 years in business.

Intoximeters, Inc. developed the first evidential grade fuel cell based breath alcohol analytical system. We have been the pioneer in improving the fuel cell sensor's stability and longevity. Data shows that our instruments are the highest quality analytical sensors available in the law enforcement market today, and our records indicate that we offer the longest lasting fuel cell sensors available.

With the Alco-Sensor V<sub>XL</sub>, we've made operator safety a top priority. Unlike other instruments in the industry, it features our patented rear-facing display allowing the operator to view the instrument's display while remaining in control of the subject and monitoring the surrounding environment. This design also allows for ambidextrous use. Additionally, the unique lever-and-snap mouthpiece diverts the subject's breath away from the operator during the sample collection process.

The Alco-Sensor V<sub>XL</sub> is an evidential-grade, handheld breath alcohol tester that automatically samples direct or passive samples, and can perform a headspace analysis of a sample over an open container.

What's more, this instrument has superior performance in low light conditions. It features a backlit LCD display, an illuminated mouthpiece guide, side-facing LED signals, and optional multi-color backlit messaging to warn of important test conditions.

The Alco-Sensor V<sub>XL</sub> is an extremely flexible instrument. It can be used in stand-alone mode or interfaced with a variety of peripheral devices through a docking station or optional wireless connection. Additionally, it is capable of running multiple test protocols on one instrument. Applications include emergency response, drug and alcohol treatment programs, and medical research and studies.

# Intoximeters

## Analytical System

Utilizes an Intoximeters electrochemical fuel cell sensor which generates an electrical response that is proportional to the Breath Alcohol Concentration in the provided, fixed volume sample. The fuel cell sensor is highly selective for alcohol. It does not respond to acetone or other substances found in the human breath after a fifteen minute deprivation period.

## Measurement Types

Direct Test / Manual Sample  
Direct Test / Automatic Sample  
Passive Test / Manual Sample  
Passive Test / Automatic Sample  
Headspace Test / Manual Sample

## Measurement Range

.000 to .440 g/210L (custom ranges and units of measure are available)

## Accuracy and Precision

Meets the NHTSA model specifications for Evidential Breath Test Devices

## Environmental Limitations

Instrument is designed to be used and has a proven track record in almost any environment that an operator could expose breath alcohol testing instruments to. Instrument operates in a wide range of temperatures, ambient humidity, and ambient pressures.

## Mouthpiece

Direct Sample - The Intoximeters-designed mouthpiece provides both a "lever and click" alignment for simple installation and provides a tested and proven mouthpiece that produces accurate and repeatable results.  
Passive Sample - Passive cup adapter  
Headspace Sample - Drink sniffer adapter

## Visual Output

Backlit multi-color graphics LCD, side facing LEDs and a lighted mouthpiece guide provide easy to see information to help the operator complete the testing process

## Audio Output

Audible tone to support visual messaging

## Data Storage

Can store up to 7,000 tests (depending upon number of data fields collected)

## Print Capable

Yes, with supported wired printers

## Power Options

Disposable Batteries - 4 x 1.5V AA alkaline batteries  
Optional Rechargeable Batteries - 4 x 1.5V NiMH rechargeable cells

## Case Construction

Instrument - Rugged ABS casing with rubber overmolded grips  
Carrying case - Injection molded plastic case in standard package

## Physical

Instrument Dimensions - 7.5" x 4.0" x 2.25"  
Instrument Weight (with batteries) - .75 lbs.  
Standard Carrying Case Dimensions - 10.5" x 3.5" x 8.5"  
Standard Carrying Case Weight (loaded) - 1.8 lbs.

## Approvals

NHTSA (US DOT) EBT, Inquire for list of approved US states or certifications in countries outside of the USA. CE Mark

## Standard Package Includes

Printed Manual  
25 Mouthpieces

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## Instrument Options

AS VXLerator Data Management System  
IntoxNet  
Barometer Kit  
BlueTooth Kit  
Low Energy BlueTooth Kit  
GPS Kit  
Instrument Recharging Station  
Instrument Docking Station  
Keyboard Kit  
Mouthpiece Ejector Kit

## Training

Intoximeters offers in person training and has a variety of training tools available to help a user cascade training to their own operators. Contact our training department for more information (see Training section of our website at [www.intox.com/training](http://www.intox.com/training)).