

# Intoximeters

Experience • Service • Integrity



## Alco-Sensor® IV

Evidential-grade, handheld breath alcohol tester

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 the 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. The Alco-Sensor IV is an evidential-grade, handheld breath alcohol tester that provides a simple, accurate, and economical method for determining a subject's breath alcohol concentration.

The Alco-Sensor IV follows an automated, software-driven protocol. Each function is displayed on an LED display that provides the operator with step-by-step instructions for fail-safe testing.

Additionally, it automatically samples deep lung breath and displays the results in a four-character readout. The proper insertion of the mouthpiece powers the instrument on and a mouthpiece release feature, which eliminates operator contact with a used mouthpiece, turns the instrument off.

With its fast response and high level of accuracy, the Alco-Sensor IV can be used in medical research and studies, emergency response situations, or as part of an alcohol treatment program.

Intoximeters has been leading the breath alcohol testing industry for decades. Our Alco-Sensor® products are the most accurate handheld breath alcohol testers available today.

# 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 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

## Measurement Range

.000 to .400 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, one-way mouthpiece provides both a means to turn the instrument on without damaging the on switch mechanism and provides a tested and proven mouthpiece that produces accurate and repeatable results with minimal backdraw.

## Visual Output

Highly visible red, four character LED display

## Audio Output

Audible tone to support visual messaging

## Data Storage

Last test

## Print Capable

Yes, with optional RBT IV printer kit

## Power Options

Disposable Batteries - Single 9V alkaline battery  
Optional Rechargeable Batteries - 9V rechargeable battery

## Case Construction

Instrument - Metal fiber impregnated, impact resistant ABS plastic to protect the instrument from rough handling and provide radio frequency shielding  
Carrying Case - Water tight, hard plastic carrying case is provided in standard package

## Physical

Instrument Dimensions - 5.5" x 3.5" x 1.5"  
Instrument Weight (with batteries) - 0.69 lbs  
Standard Carrying Case Dimensions - 7" x 4" x 8.5"  
Standard Carrying Case Weight (loaded) - 2.2 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

## 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)).

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