

Intoximeters

Experience • Service • Integrity



Alco-Sensor® IV

Evidential-grade, handheld breath alcohol tester

Made in the U.S.A.

Since 1945, Intoximeters, Inc., the oldest operating breath alcohol instrument manufacturer in the world, has been manufacturing the highest quality instrumentation to assist in DUI enforcement.

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.

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.

Applications include municipal, federal, county, and state police, as well as highway patrol, military police and boating enforcement.

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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).

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