

# Intoximeters

Experience • Service • Integrity



## Alco-Sensor FST®

Evidential-grade, handheld breath alcohol tester with a patented rear-facing display designed for operator safety

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.

With the Alco-Sensor FST, we've made safety a top priority. Unlike other instruments in the industry, the Alco-Sensor FST 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. Additionally, the unique lever-and-snap mouthpiece diverts the subject's breath away from the operator during the sample collection process.

The Alco-Sensor FST is a pocket-sized, 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. It is designed for both left- and right-hand use.

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

The SureGrip™ sleeve protects the entire unit, while allowing easy access to the battery compartment. The sleeve contains two magnets, one on each side of the instrument, for protection against instrument loss. A soft-touch contact surface offers a reliable grip, reduces sliding on flat surfaces, and improves the unit's resistance to extreme temperature changes.

The accuracy, rear-facing design, recovery time, and NHTSA-documented results of the Alco-Sensor FST make it the leading handheld EBT currently in the market, and the perfect solution for military breath testing needs.

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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 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 law enforcement 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 snap" 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

Easy to read backlit, multi-colored graphic display and lighted mouthpiece guide

## Audio Output

Audible tone to support visual messaging

## Data Storage

Last test

## Power Options

Disposable Batteries - 2 1.5V AA alkaline batteries  
Optional Rechargeable Batteries - 2 NiMH batteries (battery charger sold separately)

## Case Construction

Instrument - ABS/Polycarbonate with a yellow rubber Sure-grip™ sleeve. The Sure-grip™ sleeve is also available, upon request, in black or blue.  
Carrying Case - Blow molded plastic case is provided in standard package

## Physical

Instrument Dimensions - 4.75" x 2.75" x 1.75"  
Instrument Weight (with batteries) - 0.47 lbs  
Standard Carrying Case Dimensions - 7" x 3.5" x 9"  
Standard Carrying Case Weight (loaded) - 1.3 lbs

## Approvals

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

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## Standard Package Includes

eManual  
25 Mouthpieces  
Magnets on both sides of instrument sleeve  
Access to online web-based training

## Training

Access to online web-based training with instrument serial number.