

Intoximeters

Experience • Service • Integrity



Intox EC/IR® II

Court-accepted, evidential-grade desktop unit with combined fuel cell and infrared technologies for DOT compliant testing

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.

The Intox EC/IR II utilizes advantages of both the highly specific and best-in-class electrochemical sensor (EC) fuel cell technology and the real time analysis of infrared sensor (IR) technology. Designed for use in-station or in a booze bus, the instrument's stationary setup allows for interface with a central host computer, and allows a central location to monitor the instrument and upload test data securely to a remote central database.

The Intox EC/IR II features:

- The pioneer in evidential grade fuel cell based instrumentation, Intoximeters' electrochemical based sensing technology with long-life fuel cells, providing an industry leading level of accuracy, precision and reliability.
- With its modular instrument design, the Intox EC/IR II has proven to provide minimal downtime, maintenance requirements, or on-going costs.
- Easy-to-read, two-line vacuum fluorescent display provides easy to follow prompts that make the testing process simple to complete.
- Small internal dead space volume in the sampling system provides:
 - The least amount physical filtering of the provided sample, resulting in better real time analysis of the sample.
 - Reduced standard gas consumption per test, resulting in longer lasting calibration gas standards.

- Data protection and software integrity are confirmed by multiple 32-bit CRC (cyclical redundancy check) settings.
- Advanced techniques for radio frequency immunity and detection, combined with patented self-diagnostic routines, ensure that the instrument meets operational requirements of your program.

Since 1945, Intoximeters has been manufacturing products to assist in DUI enforcement. Our instruments are widely recognized as the industry leader for quality, accuracy and reliability. Our service and support team compliment the high level of quality offered with our instruments, providing training, expert witness support and day to day support as required by business partners.

Intoximeters desktop evidential systems represent more than half of the instruments in North America. The EC/IR product line is being used as the primary evidential breath test system in a number of states plus the District of Columbia and major police forces around the world).

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Analytical System

Utilizes an Intoximeters **electrochemical fuel cell sensor** which generates an electrical response that is proportional to the 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. The instrument also utilizes an **infrared detection system** to monitor the breath sample for alcohol and carbon dioxide during the provide sample flow. The infrared data can be used to determine when deep lung breath has been achieved and to identify mouth alcohol events.

Measurement Types

Direct Test / Manual Sample
Direct Test / Automatic Sample

Measurement Range

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

Accuracy and Precision

Meets the NHTSA and OIML model specifications for Evidential Breath Test Devices

Supported Calibration Systems

Automatic delivery of Dry Gas or Wet Bath Standards

Environmental Limitations

Instrument is designed to be used, and has a proven track record in most all environments that law enforcement exposes breath alcohol testing instruments to. Instrument operates in a wide range of temperatures, ambient humidity, and ambient pressures.

Mouthpiece

Available with a check valve built into the one time use mouthpiece

Visual Output

Easy to read, 256 x32 pixel graphic vacuum florescent display

Supported COM I/O

RS232 Serial, Parallel, USB, PS2, Ethernet, optional Modem (prior versions required add-ons to provide USB and Ethernet support. Instruments in that original configuration are still available for purchase)

Print Capable

Instrument is available with an optional internal thermal printer or is capable of working with an off the shelf external printer.

Power Options

Wall current - 100 - 240 VAC
Power for printer - Instrument provides power for internal printer

Case Construction

Instrument - Aluminum case with locking compartment for dry gas standard

Physical

Instrument Size - 19" x 14.5" x 7"
Instrument Weight - 18.75 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

Printed Manual
100 Mouthpieces

Options

Intoxnet Data Management Software
Heated Simulator Tube
Magnetic Card Reader
Barcode Reader (2D)
Digital Simulator with Electronic Control Monitoring
External Printer

Training

Intoximeters offers in person training and has a variety of training tools available to help a user cascade training to their own operators. For more information see Training section of our website at www.intox.com/training or contact our Training Department directly.