

# Intoximeters

Experience • Service • Integrity



## Intox EC/IR<sup>®</sup> II.t

Lightweight, transportable, 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.t 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.t 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.t 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.

Remote access for testing data acquisition and maintenance procedures can be achieved with Intoximeters IntoxNet software.

Applications include DOT, NRC, DOE, and USCG regulated testing, company policy testing, company security, and clinics.

# Intoximeters

## 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.

## 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. Wet Bath Standards delivery is manual through breath tube.

## 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

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

## Visual Output

Easy to read, multi line, backlit LCD

## Supported COM I/O

Serial, Parallel, PS2, optional modem

## 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 / External power supply  
Power for printer - instrument provides power for internal printer

## Case Construction

Instrument - Aluminum case with locking compartment for dry gas standard

## Physical

Instrument Size - 18.5" x 15" x 6"  
Instrument Weight - 15.75 lbs

## Approvals

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

## Standard Package Includes

Printed Manual  
100 Mouthpieces

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## Options

Intoxnet Data Management Software,  
Integrated Dry Gas Compartment,  
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](http://www.intox.com/training) or contact our Training Department directly.