Intoximeters
Experience · Service · Integrity

Intox DMT Dual Sensor

Evidential-grade desktop unit that utilizes fuel-cell and infrared technologies, and adapts to both transportable and fixed-site 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 DMT was the first to integrate a breath alcohol instrument with a computer that featured a graphics touch screen running a Windows CE operating system. The Intox DMT employs multi-filter infrared spectroscopy and fuel cell technology to determine breath alcohol concentrations. This extremely accurate and precise instrument features:

- A highly-regulated infrared source lamp, which is chopped in real time at speeds 200+ times faster than other commercially available systems.
- A thermo-electrically cooled PbSe detector.
- A folded optical path that minimizes sample volume and increases the signal-to-noise ratio allowing for accurate results down to 0.001 BrAC.
- Narrow bandwidth optical filters permitting the DMT to be highly specific for not only ethanol but also to the virtual exclusion of other alcohols and potentially interfering compounds.
- A Grey Body infrared energy source that maximizes the power efficiency, enabling the DMT to operate cooler, with greater stability and efficiency.
- A powerful embedded computer, customizable user interface, customizable reporting, and a wide range of input/output connectivity for peripheral devices.

- On-screen graphical representation of test events.
- On-screen access to important instrument data for quality audits.
- Integration with DM Host data management system.

Intoximeters

Analytical System
Utilizes an **infrared detection system** to both monitor the sample for alcohol during the sample submission process and quantitate the end alcohol concentration. The Instrument also quantitates the end breath alcohol concentration with 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.

Measurement Types
Direct Test / Manual Sample
Direct Test / Automatic Sample

Measurement Range
.000 to 450 g/210L (custom ranges and units of measure are available)

Accuracy and Precision
Meets the NHTSA 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 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

Visual Output
Easy to read large color touch screen, which can be utilized as a signature pad

Supported COM I/O
USB, Modem, Ethernet, RS232 Serial

Print Capable
Yes, with external printer

Power Options
Wall current - 12 VDC / 100 - 240 VAC

Case Construction
Instrument - Aluminum case construction

Physical
Instrument Size - 20.25" x 17" x 5.25"
Instrument Weight - 19.75 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
100 Mouthpieces
External Keyboard

Intox DMT Dual Sensor

Evidential-grade desktop unit that utilizes fuel-cell and infrared technologies, and adapts to both transportable and fixed-site testing

With optional dry gas compartment

Options
DMT host data management software, media player, speaker output, heated simulator tube, magnetic card reader, barcode reader, voice prompts, integrated dry gas compartment, 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. Contact our training department (for more information see Training section of our website at www.intox.com/training).