

Intoximeters



Intox DMT

Evidential-grade, desktop unit that utilizes infrared technology and adapts to both transportable and fixed-site testing.

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 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 Intox Host data management system.

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Certifications | Approvals

- NHTSA (US DOT) Approved
- Conforms to OIML R-126
- RF protection - shielding and external detection

Electrical

- 32 Bit, 520 MHz Intel RISC embedded PC
- Four (4) USB ports
- Modem port and Ethernet port
- RS232 serial port
- 12 VDC/100-240 VAC

Analytical

- .000 to .600 BrAC range
- 3.37,3.44,3.50 IR filters +/- 10 nm CWL
- Thermo electrically-cooled Lead Selenide detector
- Internal calibration verification (Quartz Standard)
- 28cc (ml), Vol., 65mL sample chamber
- Wet bath or dry gas simulation
- Internal barometric pressure compensation for dry gas
- Heated simulator and breath tubes
- Flow, Volume and BrAC Slope sampling
- 525 Hz. +/- 50 Hz Chopping Frequency
- Air Flow Sensing: Mass Flow Sensor

Calibration

- Single-point calibration
- Internal quartz calibration is standard for each test

Display

- Features a large, color touch screen which can be utilized as a signature pad
- Easily guides operator through process and prompts status codes
- Features a technician's display for qualified service repair
- Real-time graph representation of both alcohol curve and breath flow
- Electronic signature capabilities

Custom Variations

DMT-G is a DMT instrument with internal dry gas housing and internal card reader (optional).

Options

- Media player
- Speaker output
- Color printer
- Magnetic card reader
- Internal or external bar code reader
- Voice prompts
- Digital simulator monitoring and control
- International languages
- Keyboard
- Custom printable forms
- External printer via USB port
- Flash memory, remote capable



DMT