

Intoximeters, Inc.
INTOX EC/IR® II



**World Leader in Breath Alcohol Testing
for Over Sixty Years**

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INTOX EC/IR® II

THE INSTRUMENT

The Intox EC/IR II is a transportable, bench-top instrument featuring fuel cell integration analysis combined with real-time analytical advantages of infrared technology.

UNIQUE FEATURES

The sampling system in the Intox EC/IR II utilizes advantages of both electrochemical sensor (EC) and infrared sensor (IR) technology. The Infrared system is capable of measuring both alcohol and carbon dioxide concentrations in the breath. Software settings and test database are monitored to insure their integrity. The instrument also contains advanced radio frequency interference immunity and detection, automatic accuracy checks and calibrations using internal gas tank or external simulator (recirculation for wet bath use), self-diagnostic capabilities, an easy to read 256 x 32 pixel graphic vacuum fluorescent display and is capable of remote diagnostics along with centralized data collection using optional IntoxNet software.

ANALYTICAL

SENSOR

The electrochemical fuel cell sensor generates an electronic response that is proportional to the Breath Alcohol Concentration in the provided breath sample. The fuel cell sensor is specific for alcohol. It does not respond to acetone or other substances which can be found in human breath.

The infrared system utilizes a dual wavelength, multi-filter detection system to measure alcohol and carbon dioxide levels from a human breath sample in "near real time."

ACCURACY & PRECISION

US DOT approved for evidential use. Meets or exceeds the federal model specifications for traffic enforcement and DOT breath alcohol testing.

RANGE OF SENSOR

The Intox EC/IR II accurately detects breath alcohol levels up to .440 BrAC, or equivalent.

RESPONSE TIME

The Intox EC/IR II produces results quickly on both positive and negative samples.

SAMPLING SYSTEM

The Intox EC/IR II offers both automatic and manual sampling.

SAMPLE TYPE CAPABILITY

Direct Breath

KEYBOARD

Standard PC AT compatible

DISPLAY

High visibility, 256 x 32 pixel graphic vacuum fluorescent display

PRINTER

Offered with an internal high quality thermal printer
Capable of printing to a variety of external printers (both parallel and serial)

ENVIRONMENTAL

Operates over a wide ambient temperature range

CE MARK

CE Mark compliant for EMC compatibility for emissions and immunity

MOUTHPIECES

One-way check valve mouthpiece which eliminates the possibility of suck back during sample capture.

POWER SUPPLY/CAPACITY

90-270 VAC, 50/60 Hz, approx. 70 watts, 11 to 16 volts
DC input voltage to inverter (inverter optional)

PHYSICAL CHARACTERISTICS

180 mm x 476 mm x 368 mm
15.5 lbs (7.0 kg)

CASE CONSTRUCTION

Aluminum

MEMORY

1.54 Mbytes/4,000+tests

I/O

2 RS-232 serial communication ports
1 parallel port
Modem (optional built in)
Serial ethernet adapter (optional)

INSTRUCTIONAL MATERIAL

Manual

ACCESSORIES/SOFTWARE

IntoxNet software (cable required)
Barcode reader
Magstripe reader

Intoximeters, Inc

2081 Craig Road
St. Louis, Missouri 63146
PHONE: +1 314.429.4000
FAX: +1 314.429.4170

Intoximeters UK Ltd.

The Alpha Centre Unit 6 A-D
Babbage Road
Toines, Devon TQ9 5JA
PHONE: +44 01803-868602
FAX: +44 01803-868701

www.intox.com