pacific data systems

Solutions. Technology. Simple.

lion intoxilyzer® 8000

A totally new concept in mobile, evidential breath-alcohol analysis!

The very first evidential breath-alcohol instrument to use both 3 and 9 micron infrared technology...together!

Instrument Features

NMI compliant: the I8000 has been designed not just to MEET the NMI Standard R126 for mobile and evidential breath analyses, but to go far beyond.

Three power supply options: the I8000 operates on mains power, or from a vehicle's 12 volt DC system, or using its own internal (rechargeable) battery.

Fully mobile... or stationary operation: the I8000's small lightweight case, with its integral handle and foldaway keyboard, is designed for easytransportation and use in mobile police stations: yet the instrument's ergonomic design means it's ideally suited for police station application as well!

Infrared only: using both 3 and 9 micron technology. So the I8000 is fast and accurate – with no secondary sensor to replace, or to become mismatched.

Easy to read display: gives clear instruction and information messages.

Integral keyboard: the full size QWERTY keyboard folds neatly away for stowage when not in use, and for transit. Non-QWERTY layouts are also available.

Easy to use: so training requirements are minimal. Simply follow the clear, on-screen instructions, making selections from the displayed options.

Integral thermal printer: gives clear, crisp tamperproof documented evidence of each breath test. Fast, clean, and silent, with paper out detection.

Powerful test memory (expandable): records the full detail of every breath test. This data can then be printed out or downloaded to a PC.

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Technical Information

Analytical principle: infrared light absorption, at both 3.4 and 9.36 microns – on every sample

Range: 0.02 – 3.00mg/litre BrAC; .033 - 600%BAC (g/210 litres)

Dimensions: 355mm long X 245mm wide X 21mm deep

Weight: 6.82kg (instrument only)

Operating temperature range: 0 to +45ºC

Storage temperature range: -10 to +60ºC

Operating humidity range: 10 to 100%, non-condensing

Operating pressure range: 600 to 1,300hPa

Barometric pressure compensation: instant, automatic compensation during dry-gas calibration checks

Calibration checks: using an internal, software controlled system. Alternatively, an integral wet-bath or dry gas simulator may be used (both are optional items)

Display: vacuum fluorescent dot matrix, 2 lines X 20 characters. Character height 9.1mm

Printer: thermal, 42 column, 57mm paper width. Paper-out detection system. 5cm/second print speed

Audible beeper: gives auxiliary messages: tones are software-variable in frequency and duration

Power Ratings:

Mains AC: 90 to 264 VAC, 47 TO 63Hz. 1,5 amps max

Vehicle DC: 10 to 15 VDC, 7 amps max

Internal battery: provides up to 1 hour of operation

Warm up time: less then 20 minutes at 20ºC

Test time: less then 1 minute per sample, excluding data entry

Disposable mouthpiece: spit-trap, with non-return valve

Communications: RS-232 for modem or direct connect: an internal modem is also available as an extra option

CE certification: complies with IEC 1010-1 (1990, 92, 95)

OIML: complies with OIML R 126 (1998 [E])

RFI certification: complies with BS EN 50081/2-1:97 & EC 95/54/EEC

Vibration and shock: to IEC 68-1/2

Case construction: injection molded ABS

Software configuration:
Various software settings may be configured by the instrument supervisor through the keyboard via a security password) or using an external PC. Such as:

*Alcohol units   *Test protocol
*Time/date format   *User tasks
*Blood:breath ratio   *Breath volume
*Keyboard layout   *Printout language

Options

Internal modem: 14.4K baud

External printer: Centronics compatible

Wet-bath simulator: integral, with digital temperature readout

Dry gas simulator: fully enclosed system, integral to main case

Gas delivery port: for use with an external gas system

Magnetic strip reader: for ID cards, and driver licenses

Ordering Information

The Lion intoxilyzer® I8000 is supplied as a complete delivery unit, each unit consisting of the following items:

*Instrument   *12 Volt DC cable
*100 mouthpieces   *Mains power cable
*2 rolls of printer paper *2 year warranty
*Factory calibration certificate

Disposable and Accessory Items

Disposable mouthpieces: with non-return (anti-suckback) valve: individually wrapped and supplied in packs of 1,000

Printer paper: high print quality thermal sensitive paper, with long archival property; supplied in packs of 20 rolls

Operator handbook: fully descriptive guide to the use of the I8000

Supervisor handbook: only to authorised personnel

Service manual: for authorised personnel only

The I8000 is certified to NMI Standard R126 by the Australian National Measurements Institute.

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