

# ***Intoxilyzer®*** **8000**



***Infrared  
spectrometry  
mobile, evidential  
breath alcohol  
instrument***

- ***Uses both 3 and 9 $\mu$ m technology***
- ***Fully mobile or stationary use***
- ***Easy single button operation***
- ***Rugged ABS case***

**EMI** INC.

# Intoxilyzer® 8000

The Intoxilyzer® 8000 is manufactured by CMI, Inc., the leader in evidential DUI breath alcohol testing. The tradition of case law-approved infrared spectrometry alcohol analysis is taken to a new level by the Intoxilyzer® 8000. The Intoxilyzer® 8000 combines both 3 and 9µm measurements to deliver unparalleled accuracy and reliability.



The integral keyboard detaches for ease of use in test subject data entry.



The rear panel includes multiple connections, including USB, Ethernet, RS232, and phone line.

## FEATURES AND OPTIONS

- **ANALYTICAL PRINCIPLE:** infrared absorption, at both 3 *and* 9µm (microns) – on every sample
- **RANGE:** 0.000 to 0.600 %BAC [g/210 Liters]; 0.000 to 3.000 mg/liter.
- **DIMENSIONS:** 14.5" long x 10" wide x 8.4" deep.
- **WEIGHT:** 17 lbs [instrument only]. Just over 20 lbs with optional gas delivery system.
- **CALIBRATION CHECKS:** wet bath simulator or dry gas.
- **BAROMETRIC COMPENSATION:** automatic compensation during dry-gas calibration checks.
- **DISPLAY:** 2 line by 20 character, 8mm character height vacuum fluorescent display.
- **PRINTER OPTIONS:** thermal, impact, external
- **AUDIBLE BEEPER:** gives auxiliary messages: tones are software-variable in frequency and duration.
- **POWER RATINGS:**  
AC: 90 – 264 VAC, 47 – 63Hz, 1amp max.  
Vehicle DC: 10 – 16 VDC, 6 amps max.
- **MICROPROCESSOR:** Intel compatible x86 based processor @ 30 MHz with a separate DSP processor for signal conditioning.
- **MEMORY:** 2 Mbyte for data storage [expandable to 8 Mbyte]; 1 Mbyte FLASH/SRAM for code/fast access. Remote program updates.
- **REAL-TIME CLOCK:** accurate to ±10 minutes per year.
- **WARM-UP TIME:** less than 20 minutes at 20°C
- **TEST TIME:** less than 1 minute, excluding data entry.
- **DISPOSABLE MOUTHPIECES:** spit-trap individually wrapped
- **COMMUNICATIONS:** up to three RS232 serial ports, one external printer port, internal modem, Ethernet, USB host, USB device, Bluetooth®
- **CE CERTIFICATION:** complies with IEC 1010-1 (1990, 92, 95)
- **OIML:** complies with OIML R 126 [1998 (E)]
- **RFI CERTIFICATION:** FCC Part 15 Class B and BS EN 61000-6-1,2,3,4,5,6,8,11
- **VIBRATION AND SHOCK:** to IEC 68-29Eb,6Fc,64Fh,27Ea
- **CASE CONSTRUCTION:** injection molded ABS.
- **SOFTWARE CONFIGURATION:** various software settings may be configured by the instrument *Manager* through the keyboard [via a security password] / through an external PC using COBRA.