

THE INDUSTRY LEADER IN ALCOHOL BREATH TESTING SINCE 1945

ALCO-SENSOR IV



Intoximeters Inc.

ALCO-SENSOR IV

THE UNIT

The Alco-Sensor IV is an automated, hand-held breath alcohol tester. It offers a simple, accurate and economical method of determining a subject's breath/blood alcohol level.

UNIQUE FEATURES

The Alco-Sensor IV follows a program driven test procedure. Each function is displayed on an LED panel providing the operator with step-by-step instructions for fail-safe testing. The unit automatically samples deep lung breath, then displays the test results on the four character LED. The ASIV utilizes automated calibration and automatic zeroing. The unit has an audible indicator, which highlights certain test sequences. The patented analytical algorithm enables the ASIV to sample repetitive positive tests without an appreciable loss of sensitivity.

ANALYTICAL

Sensor

The fuel cell sensor generates an electronic response that is proportional to the Breath Alcohol Concentration in the breath sample provided.

Accuracy & Precision

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

Specificity

The fuel cell sensor is specific for alcohol. It does not respond to acetone or other substances, which are found in the breath.

Linear Range of Sensor

The standard Alco-Sensor IV accurately detects breath alcohol levels up to .400 BrAC.

Response Time

The instrument responds within 5 - 10 seconds on negative samples and within 20 - 45 seconds on positive samples.

Sampling System

The Alco-Sensor IV has an automatic sampling system. The patented analytical system produces quick results and permits repetitive positive testing without appreciable loss of sensitivity.

Calibration

Calibration Checks and Calibrations should be performed with an approved National Highway Traffic Safety Administration (NHTSA) dry gas standard or wet bath simulator.

Environmental

Any ambient temperature is acceptable provided the instrument temperature range is 10° - 40°C.

SAMPLING REQUIREMENTS

Sample Error Detection

The software monitored diagnostic system requires proper battery power, proper instrument temperature, successful instrument pretest blank, the delivery of a "deep lung" breath specimen and no detectable RFI before automatically taking a sample of breath and reporting a result.

Mouthpiece

The disposable one-way check valve mouthpiece is individually wrapped and can be automatically ejected from the ASIV, which eliminates operator contact and reduces the possibility of disease transmission.

(Note: Use only mouthpieces approved by Intoximeters. Use of improper mouthpieces may damage the unit or effect its performance. Use of unapproved mouthpieces may void the instrument warranty).

ELECTRICAL REQUIREMENTS

Power Supply/Capacity

9 volt heavy-duty alkaline battery.
500+ tests per battery.
Low battery indicator included in software.

SIZE & WEIGHT / CONSTRUCTION

Physical Characteristics

Hand held/ 313g (11 oz)

Case Construction

ABS plastic with built in RFI shielding.

MEMORY/COMMUNICATIONS

Data Storage

Last test recall function.

Display

Four digit alphanumeric LED display.

Communications

The Alco-Sensor IV can be connected to and run with a printer or a PC. (Printer, RS232 cable and software optional.)

Options

There are several test protocols available which satisfy a variety of testing requirements.

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