

THE INDUSTRY LEADER IN ALCOHOL BREATH TESTING SINCE 1945

RBT IV



Intoximeters Inc.

RBT IV

THE UNIT

The RBT IV consists of an Alco-Sensor IV and a programmed microprocessor printer which stores test information and produces an automatic, hard copy of the test results.

UNIQUE FEATURES

The Alco-Sensor IV/RBT IV follows a program driven test procedure providing the operator with step-by-step instructions for fail-safe testing. The standard RBT IV will produce an automatic hard copy documenting time, date, equipment serial number, subject identification number and test results. The RBT IV is equipped with memory, which allows it to automatically store the last 900 tests.

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 Alco-Sensor IV 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 for the ASIV.
12 volt DC rechargeable battery for the printer with 120 or 240 volt AC automatic dual rate 12 volt battery charger.

12 volt DC car cigarette lighter power adapter (optional)

Battery Capacity

500+ tests per battery on ASIV.
50 tests on fully charged printer battery on RBT IV.
Low battery indicator included in software.

SIZE & WEIGHT / CONSTRUCTION

Physical Characteristics of Carrying Case

13.5" x 12" x 6", 12 lbs.

Case Construction

ABS plastic case on the RBT IV printer. ABS plastic case on the ASIV with built-in RFI shielding. The carrying case for the ASIV/RBT IV is a watertight hard pack case.

MEMORY/COMMUNICATIONS

Data Storage

The RBT IV has a 900 test memory and is also capable of reprinting the last completed test result.

Display

There is a four digit alphanumeric LED display on the ASIV, and a two line 16 character alpha-numeric backlit LCD on the RBT IV printer.

Communications

The RBT IV can be connected to a PC through an RS232 adapter for downloading stored information. (RS232 adapter and software are optional)

Software

There are several test protocols available. The unit can also be configured to print in a number of foreign languages.

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