

THE INDUSTRY LEADER IN ALCOHOL BREATH TESTING SINCE 1945

# ALCO-SENSOR III



**Intoximeters Inc.**

# ALCO-SENSOR III

## THE INSTRUMENT

The Alco-Sensor III is a pocket-sized, hand-held breath alcohol tester. It provides a simple, accurate and economical method of determining a subject's breath/blood alcohol level.

## UNIQUE FEATURES

The Alco-Sensor III now offers last test recall, mouthpiece ejector, internal temperature sensor with software controlled temperature compensation and automated calibration. The unit has a large, bright, three-digit display. The ASIII accepts breath samples manually, and is also capable of sampling an unconscious person or detecting alcohol in a solution.

## ANALYTICAL

### Sensor

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

### Accuracy & Precision

US DOT approved for evidential use. Meets or 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 human breath.

### Linear Range of Sensor

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

### Response Time

The ASIII responds within 5 seconds on negative samples and within 30 - 45 seconds on positive samples.

### Sampling Rate

The ASIII can run negative tests every 15 to 20 seconds. Positive tests can be run every two minutes.

### Environmental

Operates over a wide ambient temperature range: 0° - 40° C.

### Calibration

Accuracy checks and calibrations can be performed with either a National Highway Traffic Safety Administration (NHTSA) and Intoximeters approved dry gas standard or wet bath simulator.

### CE Mark

CE Mark compliant for EMC Compatibility for emissions and immunity.

## SAMPLING REQUIREMENTS

### Sampling System

The Alco-Sensor III has a manually operated sampling system. The Operator is trained to manually take a deep lung breath sample.

### Mouthpieces

Either straight or one-way individually wrapped mouthpieces may be used for sampling and can be automatically ejected from the ASIII which eliminates operator contact and reduces the possibility of disease transmission.

*(Note: Use only mouthpieces manufactured or approved by Intoximeters. The design of the mouthpiece can effect the readings the instrument provides. Using other mouthpieces may cause damage to the instrument and/or influence the accuracy of test results. **Use of unapproved mouthpieces may void the instrument warranty.**)*

### Other

The Alco-Sensor III is capable of assaying blood alcohol by head space analysis.

## ELECTRICAL REQUIREMENTS

### Power Supply/Capacity

9 volt heavy duty alkaline battery.  
1000+ tests per battery.

## SIZE & WEIGHT / CONSTRUCTION

### Physical Characteristics

Hand held/171g (6 oz)

### Case Construction

ABS plastic - impact resistant

## MEMORY/COMMUNICATIONS

### Data Storage

Last test recall.

### Display

Large, high visibility three character numeric LED display.

Note: The above specifications reflect the operating characteristics for our standard production Alco-Sensor III. The Alco-Sensor III can be configured to meet other specifications.

## Intoximeters Inc.