

**Intoximeters, Inc.**

# **ALCO-SENSOR<sup>®</sup> V**



**World Leader in Breath Alcohol Testing  
for Over Sixty Years**

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# **ALCO-SENSOR® V**

## **THE INSTRUMENT**

The Alco-Sensor V is an advanced, handheld, microprocessor driven, breath alcohol testing instrument. The Alco-Sensor V provides a simple, economical method of determining a subject's breath alcohol concentration with evidential grade accuracy. Additionally, the Alco-Sensor V offers the ability to perform rapid screening and passive testing of subjects or it can be utilized to perform a headspace analysis of a sample over a liquid.

The instrument's design offers great flexibility. The Alco-Sensor V can be used in a stand-alone mode, it can be interfaced with a serial printer, it can be interfaced through a docking station with multiple peripherals (i.e. keyboard and printer) or it can be interfaced directly to a computer.

## **UNIQUE FEATURES**

The Alco-Sensor V was designed with operator safety in mind. Unlike other instruments available in the market, the Alco-Sensor V's symmetric design allows the operator to remain in control of the subject, view the instrument display, monitor the surrounding environment and divert the subject's breath away from the operator during the sample collection process.

The Alco-Sensor V also offers advantages in low light operations such as a backlit LCD display, an illuminated mouthpiece guide, a "lever and snap" mouthpiece insertion and multi-color backlit display messaging to warn of important test conditions.

## **ANALYTICAL**

### **SENSOR**

The electrochemical fuel cell sensor generates an electronic response that is proportional to the Breath Alcohol Concentration in the provided breath sample. The fuel cell sensor is specific for alcohol. It does not respond to acetone or other substances which can be found in human breath.

### **ACCURACY & PRECISION**

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

### **RANGE OF SENSOR**

The Alco-Sensor V accurately detects breath alcohol levels up to .440 BrAC, or equivalent.

### **RESPONSE TIME**

The Alco-Sensor V produces results quickly on both positive and negative samples.

### **SAMPLING SYSTEM**

The Alco-Sensor V offers both automatic and manual sampling.

### **SAMPLE TYPE CAPABILITY**

Direct Breath  
Passive  
Headspace of an Open Container

### **DISPLAY**

Multi-color, backlit, graphics, LCD display

### **ENVIRONMENTAL**

Operates over a wide ambient temperature range

### **CE MARK**

CE Mark compliant for EMC compatibility for emissions and immunity

### **MOUTHPIECES**

Specifically designed mouthpieces for direct sampling, automatic passive sampling and improved headspace analysis.

### **POWER SUPPLY/CAPACITY**

Set of four AA batteries  
1500+ screening tests per set of batteries  
Optional rechargeable battery pack

### **PHYSICAL CHARACTERISTICS**

Handheld/12 oz (343g)

### **CASE CONSTRUCTION**

ABS plastic with rubber overmolding  
- impact resistant

### **MEMORY**

Can store more than 7000 test records

### **INSTRUCTIONAL MATERIAL**

Individual or group web-based interactive training  
Manual

### **ACCESSORIES/SOFTWARE**

Docking station interface:  
Serial printer  
Serial keyboard charger  
Serial modem interface  
Serial computer interface  
IntoxNet software  
(Cable required for all)

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