

THE INDUSTRY LEADER IN ALCOHOL BREATH TESTING SINCE 1945

ALCO-SENSOR FST



Intoximeters Inc.

TECHNICAL CHARACTERISTICS

THE INSTRUMENT

The Alco-Sensor FST (FST) (*patents pending*) is a pocket-sized, hand-held breath alcohol tester. It provides a simple, accurate and economical method of determining a subject's breath alcohol level. The FST accepts breath samples directly or passively. The unit is also capable of detecting alcohol in a solution.

UNIQUE FEATURES

SHAPING THE FUTURE OF HAND-HELD BREATH ALCOHOL TESTING INSTRUMENTS:

The Alco-Sensor FST was designed with **Operator Safety** in mind. The FST's symmetrical design allows the operator to position themselves in a manner where they can control the subject, protect their weapon, easily view both the subject and the instrument display while at the same time preventing the subject's breath from being blown in their direction. The FST also offers advantages in low light operations such as a backlit LCD and an illuminated mouthpiece guide.

ANALYTICAL

Sensor

This electrochemical fuel cell sensor generates an electronic response that is proportional to the Breath Alcohol Concentration.

Accuracy & Precision

US DOT approved for evidential use. UK Home Office approved for screening 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 found in the human breath.

Range of Sensor

The Alco-Sensor FST accurately detects breath alcohol levels from .000 to .400 BrAC.

Response Time

The FST responds within 5 to 10 seconds on negative or positive samples.

Environmental

Operates over a wide ambient temperature range:
0° - 50°C (32°F-122°F)

CE Mark

CE Mark compliant for EMC compatibility for emissions and immunity.

Calibration

The linear characteristic of an Intoximeters fuel cell permits simple one-point calibration. Calibration checks and calibrations

should be performed with a dry gas standard or wet bath simulator approved by the National Highway Traffic Safety Administration (NHTSA) and Intoximeters.

SAMPLING SYSTEM

Sample Alternatives

The Alco-Sensor FST is designed to collect a direct sample from a subject in a normal or fast test cycle mode, a passive sample from a subject, or a headspace sample from an open container.

Sample Collection

The Alco-Sensor FST is capable of automatically or manually collecting direct and passive samples.

Mouthpieces

The Alco-Sensor FST mouthpiece is easy to install and directs the breath flow away from the operator (*patents pending*). (Use only mouthpieces manufactured or approved by Intoximeters for the Alco-Sensor FST).

ELECTRICAL REQUIREMENTS

Power Supply/Capacity

Two AA batteries
1500+ tests

SIZE & WEIGHT / CONSTRUCTION

Physical Characteristics

Hand-held/170 grams with batteries (6 oz)

Case Construction

ABS/Polycarbonate Blend - impact resistant

MEMORY/COMMUNICATIONS

Data Storage

Last test recall

Display

High visibility Liquid Crystal Display; Back lighting for nighttime viewing included.

INCLUDED IN STANDARD PACKAGE

- * Rubberized Grip (unit will be shipped with yellow grip and display bezel unless black is specified).
- * Rubberized Display Bezel & lens protector
- * Wrist Strap
- * Interactive computer based training
- * Carrying case - holds FST, 2/passive cups, 25/mouthpieces and space for extra batteries.

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