

# LION ALCOLMETER 600

## Breath Alcohol Tester



Touch screen display system



An optional silicon rubber sleeve is available to provide effective protection for the tester

**SIMPLE DATA LOGGING** is provided by this powerful breath alcohol tester.

Features a **TOUCH SCREEN DISPLAY SYSTEM** to select operating modes and to enter details relevant to each breath test into the instruments memory

Offers a **GPS FUNCTION** (optional) which provides the location of every breath test to within 10 metres. This information is then recorded in memory.

**Data Logging Function** - use the icon-driven, touch-screen display system, or the navigation switches, to enter data relating to the test, for storage and printout.

**Active Sampling Function** - using a mouthpiece, for accurate quantification of the subject's breath alcohol level.

**Passive Sampling Function** - hold the 600 in front of the subject's mouth and press the **Sample** button while he or she is talking. Within seconds the display shows whether or not alcohol is present in their body. If it is present then the system switches automatically to **Active Sampling** mode.

**Fast Response and Recovery Times** - once the breath sample has been provided, the alcohol reading is displayed within seconds. Then after only a very short wait, the instrument can be used again on the next subject, if required



For all the information you require regarding Breath Alcohol Testing visit our website at: [www.alcoholtesting.co.za](http://www.alcoholtesting.co.za) or Tel: 012 343 8114

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**ALCO-SAFE are distributors of Analytical Equipment for Alcohol and other Drug Detection**

## Breath Alcohol Tester

The Lion Alcolmeter® 600 and its printer have a touch screen display, for entering names, surnames and ID number of test subjects for printing and record keeping. The stored data is extremely valuable evidence in disciplinary hearings and CCMA cases.



Some data is entered by touching the relevant icon, while others are entered using the on-screen key pad. As an alternative to the touch-screen, the five navigation buttons can be used for data entry instead, if required.

## Integral GPS

The Lion Alcolmeter® 600 incorporates an optional GPS system to record the exact location of each breath test - quickly, accurately and fully automatically.

This capability enables the User Authority to build up a complete picture of the alcohol problem in their jurisdiction, together with a continuous assessment of the efficiency in its detection and control.

## Multi-Breath Sampling Modes

The Lion Alcolmeter® 600 is perfect for use in Police roadblock operations, or wherever else it is required to test a large number of people for the presence or absence of alcohol - quickly and effectively.

In **Passive Mode** there is no mouthpiece. Just hold the Lion Alcolmeter® 600 in front of the subject's mouth as they speak, then press **Sample**. The system draws in several samples of breath and determines if alcohol is present (above .05mg/L BrAC, or 0.01% BAC).

In **Active Mode** the subject blows through a mouthpiece, to provide a deep lung breath specimen. This is then analysed, to give an accurate reading of the subject's alcohol level.

## Printed evidence for CCMA Cases and Disciplinary hearings

automatically delivers a test record which includes:

- the subjects test result
- subjects surname
- subjects first name
- subjects ID
- subjects signature
- date and time of test
- instrument serial no.
- last calibration date
- last calibration check date
- test record no.
- operator ID



## Technical Information

ANALYTICAL PRINCIPLE: fuel cell sensor, for fast accurate analysis of breath alcohol levels, with long periods between recalibration. No response to acetone and hydrocarbons, paint and glue fumes, and non-alcoholic foods and medicines.

CASE DIMENSIONS: 195 x 80 x 42mm.

WEIGHT: approximately 442g (including battery pack).

OPERATING TEMPERATURE RANGE: -5 to +45°C.

CALIBRATION ADJUSTMENT: 6 monthly intervals.

DISPLAY: touch-screen graphics. Self-illuminated for use at night; trans-microreflective, for high visibility in sunlight.

POWER SUPPLY: there are two optional systems:

4 x AA Cells: give over 1,000 tests, depending on battery quality, as well as method and conditions of use.

MEMORY: non-volatile RAM stores over 5,000 test records, even when no power supply system is attached.

REAL-TIME CLOCK: automatically records the date and time of each breath test, calibration check and calibration adjustment.

WARM-UP TIME: the entire system is unheated, so there is no warm-up time at any ambient operating temperature.

DISPOSABLE MOUTHPIECE: simple design. Each item is hygienically and individually wrapped.

MOUTHPIECE PORT: illuminated for easy attachment at night.

COMMUNICATIONS: stored data is transferred to an external PC's USB port, using Data-600™ Windows-based software.