

The Lion AlcoBlow ® is a state of the art high speed testing breathalyzer. Capable of testing 6 people per minute it is the instrument of choice for entrance points, with thousands of this unit already in operation at mines and depots across South Africa and Africa. This instrument requires no mouth pieces and only needs calibration once a year. It is therefore excellent at keeping your cost per test down to a minimum. If you want to comply with the Occupational Health and Safety act with regards to INTOXICATION this is the breathalyzer for the job. It contains the Lion Platinum fuel which makes it highly sensitive only to alcohol.

In Active mode the subject blows into the sampling cone until a sample is taken by the instrument for alcohol analysis – fully automatically. Within seconds a coloured light appears, with a beep tone, to indicate whether that sample contained alcohol. The system then clears itself – again, fully automatically – so that within seconds again it is ready to test the next subject.

In Passive mode the operator presses the Passivebutton to draw in a sample of breath from around the subject, ideally while they are speaking. Again, the display system then very quickly shows whether or not that subject has alcohol in their body. This Passivemode is also ideally suited to checking the air above fluids, to see if these contain alcohol.



A multi-function breath alcohol analysis instrument, with advanced data-logging !

The wholly new lion alcolmeter® 600 is a powerful tool for use in road traffic law enforcement, commercial health and safety programs, and in various areas of medicine .

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



Multi-Sampling Modes -

- Active - using a mouthpiece, for accurate measurement of the subject's alcohol level; or using a sampling cup for a quick precursory test, just to see if alcohol is present.
- Passive - hold the 600 in front of the subject's mouth and press the Sample button when they speak. Within seconds the display shows whether alcohol is present or not.
- Container Testing - check a suspect fluid or container for the possible presence of illicitly added alcohol.
- Fast Response and Recovery Times - after sampling the alcohol reading is shown within seconds. Then after just a short wait the instrument is ready to test the next subject.
- GPS Function [optional feature] - the exact location [to within 10 meters] of every breath test is recorded in memory.

### **Data Logging Function**

Use the touch-screen display system to enter details relevant to each breath test into the instrument's memory. From there it can later be downloaded to a host PC, for statistical analysis in various management functions.

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 600 incorporates an optional GPS system to record the exact location of each breath test - quickly, accurately and fully automatically. These GPS details are stored in memory and can then

be transferred to a PC with the actual breath analysis data, where they can then be analysed using standard mapping software.

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 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 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, ONLY].

Alternatively, the subject blows into the re-useable sampling cup. In either way, if no alcohol is present the 600 shows PASS - then quickly resets itself, all fully automatically!

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. For ease of mouthpiece attachment at night, the sampling port is illuminated.

In Dual Mode the test starts off in Passive or Precursory operation; but if alcohol is found to be present the system automatically switches to Active Mode:

