

Lion AlcoBlow[®]



— L I O N —



...a fast, simple to use screening instrument to determine the PRESENCE or ABSENCE of alcohol in breath... anywhere...
...with either PASSIVE or ACTIVE operation!

Lion AlcoBlow[®] is a fully portable, hand-held instrument for use by Police at **traffic roadblocks**. It enables the officer - **literally within** seconds - to determine whether a driver has any alcohol in his or her body at all. It is also invaluable in alcohol control programs, such as in **industry, prisons** and **education establishments**.

Instrument Features

- **SIMPLE TO USE:** AlcoBlow[®] has just two control buttons. This means it's very simple to use, so training requirements are minimal.
- **FAST, RELIABLE ANALYSIS:** using the Lion **fuel cell** sensor. This ensures high specificity to alcohol in breath, and a long stable working life.
- **EASY TO READ DISPLAY:** the subject's alcohol level is shown on a single LED.
- **NO MOUTHPIECES:** unlike conventional breath alcohol instruments, AlcoBlow[®] makes no physical contact with the subject. This means there are no disposable mouthpieces, so the cost per test is very low.
- **DUAL-MODE OPERATION:** AlcoBlow[®] has two possible modes of operation, depending on the situation of the breath test:
 - **ACTIVE:** the subject blows into the cone: a sample of breath is then taken automatically for analysis.
 - **PASSIVE:** the operator presses a button to draw breath from in front of the subject's face, but otherwise without his or her cooperation.

Simple Operating Procedure!



1 SWITCH ON



2 AUTOMATIC SELF CHECK



3 THE SUBJECT BLOWS



4 NOTE ALCOHOL READING

User Controls

AlcoBlow® has just two push-button controls, and two LED indicator lights. These are each clearly labelled, easy to use, and protected for use under operational conditions:

ON/OFF SWITCH

press and release once to switch on, then once again to switch off.

If left unused for 5 minutes **AlcoBlow**® switches itself off automatically, to save battery life.

STATUS LIGHT

has two colours:

red wait

green ready for breath sample

Also flashes to indicate 'Low Battery'.

ALCOHOL LIGHT

three colours show the approximate alcohol level in the breath sample:

green zero 0.00 - 0.02mg/l BrAC

amber low 0.02 - 0.08mg/l BrAC

red high over 0.08mg/l BrAC

PASSIVE SWITCH

press and release to take a sample of breath from in front of the subject's face while he is breathing out or talking.



Specifications and Features

- **Fuel Cell Sensor:** high specificity to alcohol, unaffected by other possible breath contaminants.
- **Warm-up Time:** there is no heater, so no warm-up time.
- **Reading Response Time:** within 3 seconds of sampling.
- **Reading Display Hold Time:** 3 to 5 seconds, depending on actual reading.
- **Recovery Times:** typically 2 seconds at zero alcohol; 20 seconds at 0.50mg/litre BrAC; 40 seconds at 2.00mg/litre
- **Temperature Range:** from -5°C to +40°C, for optimum operation.
- **Power Supply/Consumption:** 4 new AA cells give at least 5,000 breath tests.
- **Dimensions:** 265mm long x 48mm at greatest width.
- **Weight:** approximately 300g [including batteries].
- **Beeper Function:** advises of a change in display status.
- **Calibration and Service:** not more than once per year.
- **Accessory Item:** a protective carrying pouch, with reflective strips, is available as an optional extra.



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