

# Lion AlcoBlow<sup>®</sup>



— 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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!



SWITCH ON



AUTOMATIC SELF CHECK



THE SUBJECT BLOWS



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 - 0.04mg/l BrAC

**amber** low 0.05 - 0.09mg/l BrAC

**red** high 0.10mg/l BrAC and over

### 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.



Ty Verlon Industrial Estate, Barry, Vale of Glamorgan, CF63 2BE  
Tel +44 (0)1446 744244 FAX +44 (0)1446 720937 E-MAIL [info@lionlaboratories.com](mailto:info@lionlaboratories.com) WEB [www.lionlaboratories.com](http://www.lionlaboratories.com)

