

Lion AlcoBlow®



*...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 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, ACCURATE ANALYSIS:** using the Lion *fuel cell* sensor. This ensures high specificity to alcohol, 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

AlcolBlow® 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 Alcolblow 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:

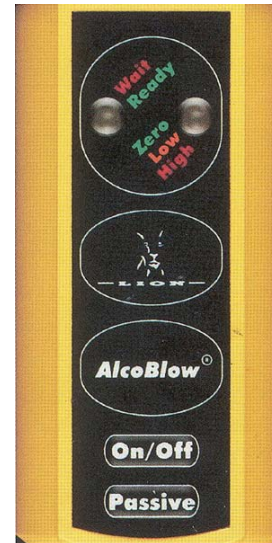
Green zero 0.00 – 0.02mg/BrAC

Amber low 0.02 -0.08mg/BrAC

Red high over 0.08mg/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 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 the actual reading
- **Recovery Times:** typically 2 seconds at zero alcohol; 20 seconds at 0.5002mg/BrAC BrAC; 40 seconds at 2.00 mg/ 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:** 256mm 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 then once per year
- **Accessory Item:** a protective carrying pouch. With reflective strips, is available as an optional extra



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