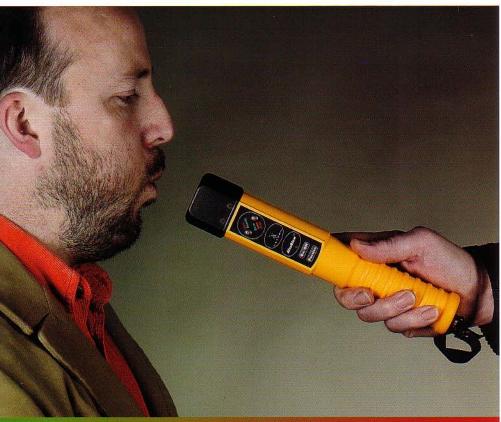
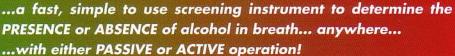
# Lion AlcoBlow®





**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**

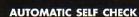
- SIMPLE TO USE: AlcoBlow® has just two control buttons. This means it's very simple to use, so training requirements are minimal.
- FAST, RELIABLE ANALYSIS: using the Lion fuel cell sensor. This ensures high specificity to alcohol in breath, and a long stable working life.
- EASY TO READ DISPLAY: the 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!**









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 - 0.02mg/l BrAC

amber low 0.02 - 0.08mg/I BrAC

red high over 0.08mg/I 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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