

FOR HIGH SPEED
ALCOHOL TESTING

Lion AlcoBlow



**THE FASTEST, EASIEST
TO USE ALCOHOL TESTER EVER**

Up to six tests per minute can be achieved!

Very economical operation, *no disposable mouthpieces are required*. The subject simply blows into a cone at the end of the instrument. *The test result is indicated by three coloured lights within seconds.*

The instrument uses the Lion fuel cell as a sensor for breath alcohol, which gives it the following important features:

- always ready for immediate use, with no warm up time.
- very low battery power requirements.
- long working life: minimal calibration and maintenance requirements.
- high specificity to alcohol, unaffected by other likely breath contaminants, often indicated as alcohol by other inferior breathalyzers.

False high alcohol concentration readings can occur using any Breathalyzer, from alcohol in the mouth obtained by consuming substances containing alcohol such as certain cough mixtures, mouth washes and sprays, breath fresheners and chocolate liquors for example.

A positive test result obtained from the AlcoBlow can be followed 20 minutes later by a retest using a Lion A500 digital readout device or the Lion SD400P, which provides printed evidence for use in disciplinary hearings.

In operation, the Lion AlcoBlow® has two modes of breath sampling:

- ACTIVE** - the subject blows into the cone of the device: a sample of breath is taken automatically for analysis.
- PASSIVE** - this is used to obtain a breath sample when it has been observed that the subject has difficulty in blowing or is uncooperative.

In either mode there is no physical contact with the subject, so no mouthpieces are needed!

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The Lion AlcoBlow® has two push buttons and two LED indicator lights. These are clearly labelled, easy to use and protected for use under severe operational conditions.



On/Off switch - press and release once to switch on, then once again to switch off.

If the unit is left unused for 2 minutes it switches itself off automatically, to save battery life.

PASSIVE switch - This is used to obtain a breath sample when it has been observed that the subject has difficulty in blowing or is unco-operative. Simply press and release to take a sample from in front of the subject as the subject is breathing or talking normally. The PASSIVE switch can also be used to determine whether an unconscious person's breath contains alcohol by holding the AlcoBlow close to and in front of the person's mouth or nose.

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 (.000 - .005% BAC)
- **amber** low (.006 - .020% BAC)
- **red** high (over .020% BAC)

SIMPLE OPERATING PROCEDURE!

Lion AlcoBlow® is simplicity itself to use! Switch on, wait a few moments for the STATUS light to show green, then start sampling breath!

ACTIVE mode: tell the subject to blow into the sampling cone, from a few centimetres away. The beeper indicates that a sample of breath has been taken for analysis: the alcohol indication is shown just a few seconds later. The unit then automatically resets quickly for the next test.

PASSIVE mode: hold the cone in front of the subject's mouth and press the **PASSIVE** switch while he is speaking or breathing out. Again, the result is shown just a few seconds later. The reading will not be as accurate as the **ACTIVE** mode, but should be **sufficiently** accurate to show whether or not alcohol is present in the subject's breath - **at all!**

TECHNICAL DETAILS

SENSOR - Lion fuel cell, with high analytical specificity for breath alcohol only.

RESET TIME - 2 seconds at .000%, less than 20 seconds at .200% BAC.

SAMPLING - two modes of operation - ACTIVE and PASSIVE.

READING RESPONSE TIME - about 3 seconds from sampling.

READING DISPLAY HOLD TIME - 5 seconds.

DIMENSIONS - 265mm long, 48mm at greatest width.

WEIGHT - approximately 300 grams, including batteries.

POWER SUPPLY - 4 "AA" cells.

OPERATING TEMPERATURE RANGE - from -10° to +40°C.

BEEPER FUNCTION - advises of a change in display status.

CALIBRATION SERVICE - not more than once a year.

