

lion alcolmeter® S-D2



*...a breath alcohol instrument for field use - anywhere!
...fast ...simple ...accurate!*

Instrument Features

- **SIMPLE TO USE:** the lion alcolmeter® S-D2 has just two easy to use control buttons. This means it's simple to operate, so training requirements are minimal.
- **FAST, ACCURATE 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:** alcohol readings are shown on a large illuminated display. Two indicator lights inform the operator when the breath sample is being provided correctly.
- **TRUE EVIDENTIAL CAPABILITY:** the lion alcolmeter® S-D2 may be used for fast subject screening but, depending on the user's criteria, may also be sufficiently accurate for *evidential* testing.
- **APPROVALS:** the instrument is Approved by law enforcement authorities worldwide, for both screening *and* evidential breath testing applications.
- **PROTECTIVE LEATHER POUCH:** available as an optional extra.

Simple Operating Procedure!



1 CHECK READY STATUS



2 PRESS THE 'SET' BUTTON



3 ATTACH MOUTHPIECE



4 INSTRUCT THE SUBJECT



5 THE SUBJECT BLOWS



6 NOTE ALCOHOL READING



7 REMOVE MOUTHPIECE



8 RESET

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.
- **Measuring Range:** normally 0.02 to 2.00mg/litre BrAC.
- **Analytical Response Time:** normally within 30 seconds.
- **Temperature Range:** from 0°C to +40°C, for optimum operation.
- **Recalibration:** every six months, using either a wet-bath simulator or **AlcoCal®** gas standard.
- **Recovery Time:** typically 10 seconds at zero alcohol; 60 seconds at 0.35mg/litre BrAC; 4 minutes at 2.00mg/litre.
- **Power Supply:** 1 new 9 volt battery gives at least 300 breath tests.
- **Dimensions:** 125 x 65 x 34mm [instrument only]; 140 x 72 x 59mm [in leather pouch].
- **Weight:** approximately 300g [including battery and leather pouch].

Accessory Items

- **Disposable Mouthpieces:** low resistance to breath flow; individually and hygienically wrapped.
- **Handbook:** fully covers use of the instrument.
- **AlcoCal® Standards:** alcohol vapour contained in a pressurised cylinder, used to check and adjust the calibration of the instrument at periodic intervals.

Simple Calibration!

Calibration is required about two times per year, using either an **AlcoCal®** or wet-bath simulator. Simply run the standard through the instrument, then adjust the display to show the correct reading.



Lion Laboratories Limited

TY VERLON INDUSTRIAL ESTATE, BARRY, SOUTH GLAMORGAN, CF63 2BE, WALES, UNITED KINGDOM

TELEPHONE: [44] [0]1446 724500 FAX: [44] [0]1446 724501 WEB: www.lionlaboratories.com E-MAIL: sales@lionlaboratories.com

CE 0086

Complies with directive
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INTERNATIONAL QUALITY
STANDARD ISO 9000:
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