

lion alcolmeter® SL-400



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

Instrument Features

- **SIMPLE TO USE:** the lion alcolmeter® SL-400 is fully automatic. 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:** alcohol readings are shown on four coloured LED's - **ZERO, PASS, WARN** and **FAIL**. Four indicator lights inform and instruct the operator, and a small LCD shows the date/time and memory levels.
- **LAST TEST RECALL OPTION:** the result of the last breath test can be recalled, even if the instrument has since been switched off (not in UK Police version).
- **AUTOMATIC DATA COLLECTION:** readings are stored in memory, with date and time, and can be downloaded to a printer or PC.
- **CALIBRATION SECURITY:** by means of the 'dongle' electronic key.
- **HOME OFFICE APPROVED:** the lion alcolmeter® SL-400 is Approved by the Home Office for Police use in Great Britain.



Simple Operating Procedure!



1
SWITCH ON:
AUTOMATIC SELF CHECK



2
ATTACH MOUTHPIECE:
INSTRUCT THE SUBJECT



3
THE SUBJECT BLOWS



4
NOTE ALCOHOL READING

Advanced Specifications and Features

- **Fuel Cell Sensor:** high specificity to alcohol, unaffected by other possible breath contaminants.
- **Warm-up Time:** the instrument is ready for use within 15 seconds of switch on, at **any** temperature.
- **Analytical Response Time:** normally within 30 seconds; but within 5 seconds at zero alcohol levels.
- **Temperature Range:** from -5°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.
- **Memory Capacity:** 150 breath tests.
- **Power Supply:** 5 new AA cells give at least 3,000 breath tests. Two stage low power warning system.
- **Radio Frequency Immunity:** exceeds requirement of EN 50082-1.
- **Shock/Vibration:** impact resistant ABS: meets IEC 68-2-27 Part 2.1 Test EA and IEC 68-2-6 Part 2.1 Test FC.
- **Dimensions:** 169 x 80 x 39mm [instrument only]; 190 x 90 x 65mm [in leather pouch].
- **Weight:** approximately 525g [including batteries and leather pouch].
- **Date and Time:** each test result is stored with date and time [internal battery backed].

Accessory Items

- **Disposable Mouthpieces:** low resistance to breath flow; individually and hygienically wrapped.
- **Leather Pouch:** in either grey or reflective yellow.
- **Rechargeable Power Unit:** with 220 volts AC/12 volts DC intelligent charger.
- **Vehicle Power Unit:** operate the **400** from a vehicle's 12 volt DC supply [via the lighter socket].
- **Data Printer:** prints stored data from memory.
- **Handbooks:** covering all aspects of use.

Accessory PC Software

- **Data-400™ :** retrieve test data from memory and store it on your PC's hard disk; then export to any standard database or spread sheet program. Operates under MS Windows. Supplied with connector cable and full instructions.
- **DataMac-400™ :** the same application as for **Data-400™**, but used in Apple Macintosh PC systems. Supplied with connector cable and full instructions.



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Complies with directive
93/42/EEC



FM 25502

CERTIFIED TO
INTERNATIONAL QUALITY
STANDARD ISO 9000
EN 29000 · BS 5750