

The user friendly....

LION ALCOLMETER SD 400PA/P



The SD 400PA/P

automatically delivers a test record which includes:

- the test result
- date and time of test
- instrument serial no.
- last calibration date
- last calibration check date
- test record no.
- confirmation that the instrument is clear of alcohol before a person is tested (blank check)

Outstanding features include:

- Foolproof, simple, automatic operation. The resultant elimination of any operator error makes the SD400PA/P the ideal tester for use in alcohol control programmes, benefiting both management and unions alike.
- Automatic system-error check, on switch-on.
- Very portable and weather-proof. The SD400PA/P can be used anywhere.
- A unique calibration time-lock ensures that the instrument cannot be used unless it is calibrated regularly. Recalibration is recommended every six months using a LION alcohol gas standard.
- Calibration security

To obtain **Immediate printed evidence** of alcohol abuse.....

...invaluable as evidence in disciplinary hearings

The SD 400PA/P utilizes a portable, rechargeable battery powered printer housed in a waterproof nylon carry bag.



Lion Alcolmeter SD-400
ALCO-SAFE

Serial No.: 0420000
User Ref No.: 0000

Last Calibration:
12/01 10:10/2006

Last Calibration Check:
12/01 10:10/2006

SUBJECT BREATH TEST

Date: 10/10/2006
Time: 11:00

Test No.: 0000

Blank Check: 000
Subj Ref: 000

Subject's Name:
D.R. Evans

Operator's Name:
E. Heydenrych

Location:
Victoria

Subject's Signature:
D.R. Evans

Operator's Signature:
E. Heydenrych

Witness Name:
R. Fokked

Witness Signature:
R. Fokked

ALCO-Safe
Print Ltd

Learn more from our website at: www.alcoholtesting.co.za or Tel: 012 343 8114

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ALCO-SAFE are distributors of Analytical Equipment for Alcohol and other Drug Detection

LION ALCOLMETER SD 400PA/P

INSTRUMENT FEATURES

- **FAST, ACCURATE ANALYSIS:** using the Lion fuel cell sensor. This ensures high specificity to alcohol, and a long stable working life. The Lion Fuel Cell sensor is unaffected by acetone, hydrocarbons, nonalcoholic food and drug vapours and all other contaminants which may be found in the breath.
- **EASY TO READ DISPLAY:** alcohol readings are shown on a large illuminated display. Four indicator lights inform and instruct the operator. The actual Blood Alcohol Concentration (BAC) or Breath Alcohol Concentration (BrAC) is shown as a digital reading.
- **INTEGRAL PRINTER:** delivers a comprehensive test record – with alcohol readings, date and times. Names, signatures and the location are then entered by hand. The printer is portable and re-chargeable battery powered. The printer is controlled by the SD400PA/P Breathalyzer. Print copies per charge: approximately 120. Print copies per battery charge: approximately 120. Print copies per printer roll: approximately 120.
- **AUTOMATIC BREATH SAMPLING:** The SD400PA/P automatically samples deep lung breath. A manual override system can be used when automatic sampling proves difficult.
- **LAST TEST RECALL:** the result of the last breath test can be recalled and reprinted, even if the instrument has since been switched off.
- **AUTOMATIC DATA COLLECTION:** alcohol readings are stored in memory, with date and time. This data can then be downloaded to a printer or PC. Memory capacity: 500 tests as standard, expandable up to 5000. DATA-400sm software is available to retrieve test data from the instrument's memory and store it on your PC's hard disk or printer; then export to any standard database or spreadsheet program. Operates under MS Windows.
- **SHOULDER-BAG OR CARRY-CASE:** the SD400PA/P comes housed in a soft water-resistant shoulder bag as standard. The bag has a compartment to hold mouthpieces and spare printer rolls. It also contains a battery charger and mains cable for the printer.
- **APPROVALS:** Although more commonly used for alcohol screening testing the SD400PA/P is approved by law enforcement authorities worldwide, for *evidential* testing.



SPECIFICATIONS

- **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.
- **Date and Time:** each test result is stored with date and time (internal battery backed).
- **Temperature Range:** from -5°C to +40°C, for optimum operation.
- **Recovery Times:** typically 10 seconds at zero alcohol; 60 seconds at 0.080 % BAC (BAC = Blood Alcohol Concentration); 5 minutes at 0.400 % BAC
- **Power Supply:** 5 new AA cells give at least 3,000 breath tests. Two stage low power warning system.
- **Dimensions and Weight:** **Shoulder Bag:** 250 X 330 X 130mm; 2.5 Kg (complete with contents).



THE CHOICE OF SUPPLIER CAN PROVE AS IMPORTANT AS THE CHOICE OF BREATHALYZER.

In order that your alcohol-testing programme can be effective,

IT IS WISE TO CHOOSE A SUPPLIER THAT CAN SUPPORT BOTH YOU AND THE PRODUCT.

ALCO-Safe is the major supplier of quality electronic Breath Alcohol Detectors and accessories in South Africa.

THE SUPPLIER SHOULD BE VERY EXPERIENCED IN THE PROVISION OF THE FOLLOWING :

- Training sessions for certification of instrument operators.
- Complete, rapid repair and calibration service and training and certification of personnel and the calibration of instruments
- In-house awareness programmes or alternatively programmes conducted at the suppliers offices for management and workforce representatives

ALCO-Safe provides assistance in the development of written substance abuse policies and control programmes.

ALCO-Safe's extensive experience over many years with companies large and small enables guidance to be given regarding the whole spectrum of substance abuse.

BEWARE OF CHEAP BREATH TESTERS AND SUPPLIERS CLAIMING TO HAVE INSTRUMENTS WITH EQUIVALENT CHARACTERISTICS TO LION PRODUCTS You cannot easily or accurately check or adjust the accuracy of cheap testers-if at all. They frequently give false high or low readings and may give positive readings from substances other than alcohol, such as acetone, often found in the breath of diabetics, smoke and menthol sweets

BUY LION - BE EFFECTIVE