

Dräger Alcotest 6810



ST-5926-2004

The Dräger Alcotest 6810 offers professional users precise and quick breath alcohol analysis in a user-friendly and compact form. Thanks to its wide range of possible configurations, the handheld instrument can be easily adapted to meet different international regulations and guidelines. Because the Dräger Alcotest 6810 offers intuitive operation, it is easy to use and precise measurement results can be obtained within a very short period of time.

Safe and easy to use

Automatic sampling and calibration processes make the instrument easy to use. All measurement functions are controlled via a single key, while menu navigation is by two menu keys. The special way the mouthpieces are designed means they can be fitted quickly and securely even in poor light conditions. Thanks to its compact dimensions, the Dräger Alcotest 6810 even fits into a shirt pocket. The ergonomic design makes the instrument equally easy to use for right and left-handed people.

Low energy consumption

More than 1,500 breath alcohol tests can be conducted on just two mignon batteries (AA size)

“Slide'n'click” mouthpiece

The shape of the mouthpiece means you will intuitively fit it correctly. An air outlet which cannot be obstructed prevents any manipulation when the breath sample is given. The individually packaged mouthpieces can be attached to the instrument easily and hygienically.

Rapid ready for use

The very latest in electronics technology ensures that the instrument is ready for use in no time at all.

Quick and precise analysis

The 1/4"-DrägerSensor with its optimized gas dynamics measures specifically alcohol. Even at high alcohol concentrations direct gaspaths, fast pneumatic components and short reaction times of the sensor ensure the measurement result will be displayed quickly. The Dräger Alcotest 6810 also allows the use of NiMH batteries which can be charged inside the instrument.

Optimized instrument interaction

Interaction between operator and instrument takes place via the backlit display with its easily comprehensible plain text messages. A light emitting diode with different colours and audible signals support the display.

Documentation, datalogger

The Dräger Alcotest 6810 has an optical interface to transfer data for generating a test protocol on a printer. The last 250 measurement results with their respective test numbers, date and time are stored in the datalogger. Individual results can either be called up from the log by pressing the menu keys or transferred to a PC.



ST-1686-2005

Dräger Alcotest 6810

TECHNICAL DATA

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| Principle of measurement | Electrochemical DrägerSensor in 1/4" technology; alcohol-specific |
| Measurement range | 0 to 2.5 mg/L; if measurement range limit is exceeded, a message is displayed |
| Sampling | Standard: automatic sampling when minimum volume is reached Passive sampling without mouthpiece or manual initiation of sampling possible |
| Ready for use | Approx. 6 s after switching on |
| Display of measurement result | After approx. 3 s (at 0 mg/L); after approx. 10 s (at 0.5 mg/L, room temperature) |
| Operating temperature | -5 to +50 °C / 23 to 122 °F |
| Display | Graphic backlit LCD display; 41 mm x 24 mm / 1.6" x 0.9" (128 x 64 pixels) |
| LED | 3-colour, to support display and warning messages/optical interface for printer |
| Audible signal | Different signal tones to support display messages and warnings |
| Datalogger | Storage of last 250 tests with test numbers, date and time |
| Power supply | Two AA alkaline or NiMH batteries. Charge status displayed approx. 1,500 tests can be performed on one set of alkaline batteries. Internal charging of NiMH batteries possible. |
| Calibration | Wet gas or dry gas calibration |
| Size, weight | Approx. 140 mm x 70 mm x 30 mm / 5.5" x 2.8" x 1.2", approx. 195 g / 0.5 lbs, incl. batteries |
| Instrument configuration | Direct menu-guided configuration of instrument settings (PIN required) No additional PC software needed |
| Vibration and shock | Conforms to EN 60068-2-6, EN 60068-2-29 |
| CE marking | Directive 89/336/EC (electromagnetic compatibility) |
| Data interfaces | RS 232 for connection to a PC; optical interface to the Alcotest-Printer |

ORDER INFORMATION

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| Dräger Alcotest 6810 (incl. 3 mouthpieces, 2 batteries, wrist strap, plastic case) | 83 18 570 |
| Dräger Alcotest mouthpieces/slide'n'click (100pcs.) | 68 10 690 |
| Dräger Alcotest mouthpieces/slide'n'click with spit trap and non-return valve (100pcs.) | on request |
| Accu-Set Dräger Alcotest 6810 (NiMH rechargeable batteries and cover) | 83 18 565 |
| Power source 800 mA, 11 V, for charging NiMH batteries | 83 16 991 |
| PC connecting cable RS 232/9 | 83 17 593 |
| Software AlcoView 6810 (to read out data) | 83 17 915 |