

# 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

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## TECHNICAL DATA

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

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

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