

Dräger Alcotest 6810



ST-526-2004

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.

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 gas-paths, fast pneumatic components and short reaction times of the sensor ensure the measurement result will be displayed quickly.

Low energy consumption

More than 1500 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. A spa-

cer on the mouthpiece prevents the test subject's lips from coming into contact with the instrument's housing, and at the same time may be used as a mouthpiece ejector. The individually packaged mouthpieces can be attached to the instrument easily and hygienically.

Practical design

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. The separation of the grip area and the mouthpiece automatically ensures a certain distance between the hand of the operator and the mouth of the person to be tested.

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.

Integrated datalogger

The last 200 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-207-2004

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TECHNICAL SPECIFICATIONS

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
Humidity	10 to 100 %RH, non-condensing
Ambient pressure	600 to 1,400 hPa / 17.7 to 41.3 inch Hg
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
Audible signal	Different signal tones to support display messages and warnings
Datalogger	Storage of last 200 tests with test numbers, date and time
Power supply	Two AA batteries. Charge status displayed approx. 1,500 breath tests can be performed on one set of batteries
Mouthpiece adaption	Slide'n'click mouthpiece attachment. Can be fitted for right or left orientation
Mouthpiece	Hygienically, individually packaged, with tamper-proof, non-obstructable air outlet, mouthpiece ejector and spacer between mouth and instrument housing
Operating concept	Measurement functions can be performed using just one key; menu navigation is via two menu keys
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
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 connection to the Alcotest-Printer

ORDER INFORMATION

Dräger Alcotest 6810 (measuring instrument, 3 mouthpieces, 2 batteries, wrist strap, in plastic case)	83 18 570		
Mouthpieces (slide'n'click) - standard version		┌	┐
Pack of 100 mouthpieces	68 10 690		
Pack of 250 mouthpieces	68 10 825		
Pack of 1,000 mouthpieces	68 10 830		
Mouthpieces (slide'n'click) - with spit trap and non-return valve	on request		
Leather pouch, black (belt attachment)	83 17 911		
Leather pouch, yellow (instrument can be operated inside the pouch, compartment for 4 to 5 mouthpieces, no belt attachment)	83 17 931	└	┘

SUBSIDIARIES

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