

Dräger Alcotest® 6810

The Dräger Alcotest® 6810 offers professional users rapid and precise breath alcohol analysis. The handheld instrument maintains the popular compact, user-friendly form and offers printing capability to the Dräger Mobile Printer. Thanks to its configurability, large memory capacity, and real-time clock, it can be easily adapted to meet law enforcement guidelines and regulations.



SAFE AND EASY TO USE

The large backlit display, rapid startup time, and intuitive, hygienic operation make the instrument easy to use. Since measurement functions are controlled via a single key, results are obtained safely and quickly without distractions.

QUICK AND PRECISE ANALYSIS

The 1/4" DrägerSensor technology is alcohol-specific and provides precise measurement results even under extreme conditions (as low as 23°F/-5°C). Fast pneumatic components and short sensor reaction times ensure the measurement result will be displayed quickly. Measurement quality exceeds NHTSA'S Model Specifications for Evidential Breath Testers.

PRACTICAL DESIGN

Thanks to compact dimensions and ergonomic design, the instrument is equally easy to use for right and left handed people. The separation of the grip area and the mouthpiece ensures a safe distance between the hand of the operator and the mouth of the person to be tested.

"SLIDE 'N CLICK" MOUTHPIECE

The individually wrapped mouthpiece is designed to be fitted quickly, hygienically, and securely even in poor light conditions. Similarly, the integrated ejector tab makes mouthpiece removal effortless and sanitary.

An unobstructable air outlet prevents any manipulation when the breath sample is given. The mouthpiece features a built-in spit trap and an orientation that protect the operator from a subject's direct exhalation.

CONFIGURATION FLEXIBILITY

Password protected menu items allow users to adjust parameters such as service lockouts, sampling modes, and test reason type/codes. Results can be displayed in over 10 different units of measure, or in a Pass/Alert/Fail format. The PC interface supports extra service functions and customization options.

BATTERY LIFE

More than 1500 tests can be conducted with two AA batteries.

AUDIO VISUAL INTERACTION

Interaction between operator and instrument occur via the backlit LCD display with plain text messages (selectable language), multi-color LEDs, and audible signals.

POWERFUL DATA MANAGEMENT

A precise real-time clock: all data is associated with an accurate date and time stamp. Menu keys allow quick access to over 200 measurement results with respective test numbers and date/time, which can be reprinted on demand. Test results are easily downloaded via a PC interface.



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TECHNICAL INFORMATION

NHTSA approved	Yes, on Conforming Products List for Evidential Breath Measurement Devices
Measurement Principle	Electrochemical alcohol specific DrägerSensor 1/4" technology
Measurement Range	0 to 0.500%BAC
Accuracy	±0.005%BAC of measured value or ±5% of measured value, whichever is greater
Ready for Use	Approximately 6 seconds after switch on
Sampling	End of Breath, Minimum Volume, Manual
Mouthpiece Connection	Slide 'N Click mouthpiece attachment for either left or right handed operation
Mouthpiece	Hygienically, individually packaged, with tamper-proof air outlet and integrated ejector tab
Display	Graphic backlit LCD display, 128 X 64 pixels; 41mm x 24mm / 1.6" x 1.0"
Operating / Storage Temperature	-5 to 50 °C; 23 to 122 °F / -40 to 65 °C; -40 to 149 °F
Humidity	10 to 100% RH
Ambient Pressure	600 to 1400 hPa; 17.7 to 41.3 inch Hg
Housing	Impact resistant ABS / Polycarbonate
Dimensions	140 x 80 x 35 mm; 5.5" x 2.8" x 1.25"
Weight (including batteries)	Approx. 195 grams; 0.43 lbs.; 6.88 oz.
Visual Signal	3 color LED (green, yellow, red) to support displayed messages and warnings or alcohol concentration limits
Audible Signal	Signaling to support messages and warnings or alcohol concentration limits
Data Storage	Last 250 tests with date and time
Power Supply	2 x 1.5V alkaline (AA) batteries; charge status displayed >1500 measurements on one set of batteries
Operating Concept	Measurements can be performed with one button; Menu navigation with two additional buttons
Instrument Configuration	Menu guided configuration of settings (PIN required), optional PC software configurable
Calibration	Wet bath or dry gas, recommended once every 12 months
Languages	4 standard (English, German, French, Spanish); 1 programmable
Advanced features	Clock, data downloaded via PC, optical printer interface, device info screens

ORDER INFORMATION

Item	Order No.
Dräger Alcotest® 6810 Kit (contains a customized carrying case, the Alcotest® 6810, 3 mouthpieces, batteries, 1 year warranty)	44 15 525
Mouthpieces (Box of 100)	68 10 690
AlcoVIEW® 6810 Software Kit (software and PC cable required for data download)	44 13 006
Dräger Mobile Printer	83 19 310



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