

Draeger Alcotest® 6810 DOT



The Draeger Alcotest® 6810 was designed through practical experience and input from professionals around the world. The Alcotest® 6810 DOT firmware was developed specifically for the Department of Transportation Workplace Testing. Special lockout features ensure that the instrument is compliant with DOT regulations. The handheld and printer are completely mobile with no wires or cords required for operation.

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 ¼" 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 air outlet which cannot be obstructed 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.

DOT firmware

The DOT firmware in the Alcotest® 6810 ensures the instrument is in compliance with DOT rules and regulations thus decreasing the liability of the collector. A positive screen test (0.020% or higher) locks down the handheld for 15 minutes. A 30 day Accuracy check and 365 day Calibration test lockout feature ensures that the instrument is compliant prior to performing a breath test. An automatic air blank check is performed, displayed and printed in the Confirmation mode. Over 200 test results are stored in the handheld which can be re-printed on demand.

Battery life advantages

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

Optimized instrument interaction

Interaction between operator and instrument takes place via the backlit display with its easily comprehensible plain text messages in selectable languages. Multi-color light emitting diodes and audible signals support the display.

Powerful data management

An on-board precision real time clock means all logged data is associated with an accurate date and time stamp. New menu keys allow quick access to over 200 measurement results with their respective test numbers and date/time information. Test results are easily downloaded via a PC interface. A standard, integrated optical printer interface supports creation of test result printouts.



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TECHNICAL SPECIFICATIONS

NHTSA approved	Yes, on Conforming Products List for Evidential Breath Measurement Devices
Measurement principle	Electrochemical alcohol specific DrägerSensor ¼" 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 mouthpiece 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 (incl. 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	Over 200 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 Menus	Menu options are DOT specific; changes to date and time do not require additional software
Air Blank Checks	Performed and prints automatically in screen and confirmation mode; displays on LCD in confirmation mode
Accuracy	Wet bath or dry gas, required once every 30 days; 30 day accuracy check lockout
Calibration	Wet bath or dry gas, required once every 12 months; 365 day re-calibration lockout
Languages	4 standard (English, German, French, Spanish); 1 programmable
Advanced features	Clock, data download via PC, optical printer interface, device info screens

ORDER INFORMATION

Draeger Alcotest® 6810 Basic Kit (contains a customized carrying case, the 6810, mobile printer, 100 mouthpieces, 2 rolls of printer paper, 1 roll of tamper evident tape, calibration mouthpiece adaptor, instruction manual, additional batteries, 1 year warranty).	4416811
Mouthpieces (pack of 100)	6810690
AlcoVIEW 6810 Software Kit (software and PC cable required for data download)	4416838
2 Day Training Course (includes DOT BAT Training and Instrument Proficiency Training)	MPTRAIN

