

Dräger Alcotest® 6820 DOT Breathalyzer built for DOT applications

In workplaces regulated by the US Department of Transportation (DOT), sober employees are essential – both for public safety and for the company's reputation. The Dräger Alcotest® 6820 DOT provides fast and accurate alcohol test results. This reliable breathalyzer makes it easy to follow DOT breath test protocol and includes the most extensive training in the industry.



DOT-SPECIFIC PROGRAMMING HELPS ELIMINATE USER ERRORS

The 6820 DOT is specifically programmed to meet DOT rules and regulations, which should help the collector comply with DOT requirements. Key features created specifically for DOT applications make it difficult for breath alcohol technicians (BAT) to make a fatal flaw that could invalidate a test. The device locks down after a positive test ($\Rightarrow .02$) for the 15-minute waiting period required before the confirmation test. In addition, it requires an accuracy check and calibration according to the QAP and locks out if expired. Plus, an automatic air blank is recorded and printed for the confirmation test.

INDUSTRY-LEADING BAT TRAINING AND SUPPORT, TWO-YEAR CALIBRATION

The Alcotest 6820 DOT delivers quality performance and is backed by unparalleled BAT training, which is essential for all DOT breath alcohol technicians (BATs). Dräger BAT training meets the mandates outlined in 49 CFR Part 40.213. Best of all, the Quality Assurance Plan (QAP) for the device only requires calibration every two years – which saves you time and effort.

QUICK AND PRECISE ANALYSIS

To save time for all concerned, the 6820 DOT is ready to use in less than 4 seconds and measurement results are displayed in a minimum of 3 seconds. The 1/4" DrägerSensor is alcohol-specific and provides precise measurement results even under extreme conditions (as low as 23 °F / -5 °C). The 6820 DOT is listed on the Conforming Products List and exceeds NHTSA's Model Specifications for Evidential Breath Testers.

EASY TO USE, EASY TO READ

The Dräger Alcotest 6820 DOT is an evidential breath tester designed to meet the needs of both business owners and third-party administrators. This portable breathalyzer is designed for both right and left hand use. All measurement functions are controlled with a single button. The instrument guides you through the breath alcohol test step-by-step with full-text messages on a large, backlit display. An LED indicator and acoustic signals support the visual display and indicate when the test is complete. Two menu keys let you easily navigate the menu and access statistical data and settings. Select Screen Test, Confirmation Test or Accuracy Check right from the start-up menu.



D-74695-2013

Dräger Alcotest® 6820 DOT



D-12328-2014

Dräger Alcotest® 6820 DOT Kit

'SLIDE 'N' CLICK' MOUTHPIECE IS SIMPLE YET SECURE

The patented Dräger mouthpiece incorporates several features to ensure ease of use and prevent manipulation attempts. The individually wrapped mouthpiece is designed to be fitted quickly and securely. The integrated ejector tab makes removal of the mouthpiece effortless and sanitary.

POWERFUL DATA MANAGEMENT AND FREE OPTIMIZED SOFTWARE

The 6820 DOT has an integrated real-time clock, so all data is associated with an accurate date and time stamp. The menu key provides quick access to approximately

250 measurement results with their respective test numbers and date/time information, which you can print on demand. Plus, optimized diagnostics software allows you to easily download all 1900 stored test results via a PC interface at no extra charge.

RECHARGEABLE BATTERIES

A new feature of the Alcotest 6820 gives you the option of using two NiMH rechargeable batteries. For your convenience, the batteries can be recharged without removing them from the device. With a larger memory than its predecessor, the 6820 DOT can store up to 1900 tests, and more than 1500 tests can be conducted with two AA batteries.

NEW DESIGN STANDS UP TO HARSH ENVIRONMENTS

Designed to withstand abuse, the 6820 DOT is water-resistant according to international standard IP54. So you can count on the accurate results you need, in virtually any environmental conditions.

TWO-YEAR GUARANTEE

We are confident that you will be pleased with the performance of the 6820 DOT for years to come. To prove it, we are offering the 6820 DOT with a standard two-year manufacturer's warranty for the entire device.



Sturdy carrying case

DOT forms

Thermal printing paper

Batteries

Dry gas regulator

Tamper tape

Dräger Alcotest® 6820 DOT

Mobile Printer for DOT applications

Dry gas

Slide 'n' Click mouthpiece

TECHNICAL DATA

Test method	Electrochemical Dräger sensor for 1/4" technology; alcohol-specific
Test range	0 to 0.500 % BAC; display indication when exceeding test range
Sampling	Standard: automatic sampling when minimum volume is reached Manual triggering of sampling possible
Ready for use	Approx. 4 s after powering up
Test result display	Approx. 3 s (with 0 mg/l), 10 s (at 0.5 mg/l, room temperature)
Operating temperature	-5 to +50 °C; +23 to +122 °F
Display	Graphic LCD display with background illumination; 1.61 in × 0.95 in (41 mm × 24 mm); 128 × 64 pixels
LED	3 colors to indicate messages or alerts
Acoustic alarms	Different signal tones indicate various messages and alerts
Memory	Space for saving the last 1,900 tests with test number, date and time (ability to recall last 250 on device)
Power supply	Two AA batteries or NiMH batteries, battery indicator on the display Around 1,500 breath tests can be conducted with one set of batteries Recharging of NiMH batteries is possible in device
Calibration	Wet gas or dry gas calibration
Dimensions (H × W × D), weight	5.79 in × 2.56 in × 1.53 in (147 mm × 65 mm × 39 mm); approx. 0.57 lbs
Device configuration	Device settings configurable directly via device menu (PIN required) No additional PC software required
Vibration and impact	Meets EN 60068-2-6, EN 60068-2-27, EN 60068-2-64, MIL-STD 810F
CE marking	Directive 89/336/EEC (electromagnetic compatibility)
Data interfaces	USB to PC; optical interface for printer control
Standard	Meets EN 64 and is listed on NHTSA CPL for Evidential Breath Testers
Protection class	IP54; protection against dust and water



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