Dräger Alcotest® Handheld Product Suite

Roadside alcohol testing can be challenging and unpredictable. That's why Dräger designed Alcotest® handheld breath testers to be accurate and easy to use – regardless of the conditions you face. With a wide range of available configurations, these trusted devices easily adapt to meet your needs and local regulations for breath alcohol testing.

D-7404-2014

Dräger. Technology for Life®

Benefits

Saving lives one breath at a time®

The fuel cell of the Dräger Alcotest uses optimized gas dynamics to measure alcohol concentration – ensuring that the devices are ready for use within seconds. Even at high alcohol concentrations or extreme temperatures, the measurement result is displayed quickly and accurately.

Easy handling

A compact size and ergonomic design make the Dräger Alcotest devices easy to grip. A standardized three-button design and intuitive functionality allow for easy one-handed operation and cross training.

Sampling and maintenance options

To make it easier to obtain samples during difficult collections, Alcotest devices offer multiple modes: automatic, manual and passive. The calibration process is simple and can be performed through the menu. All measurement functions are controlled with a single key, while menu navigation requires just two keys.

Slide ‘n’ click mouthpiece

The shape of the mouthpiece is designed to fit quickly and securely, even in poor lighting conditions. The air outlet is difficult to obstruct, which prevents manipulation during sampling.

System Components

D-45404-2015

Dräger Alcotest® 5820

The Dräger Alcotest® 5820 allows the professional user to perform a breath alcohol test with speed and precision. The measuring technology of this small and user-friendly portable breathalyzer has already been proven with over 200,000 units in use worldwide.

D-74695-2013

Dräger Alcotest® 6820

Dräger Alcotest® 6820 is the logical successor to the successful Alcotest® 6810. The compact hand-held measuring instrument Alcotest® is quickly ready for use and is adaptable to international guidelines. With an even more sturdy enclosure and the proven Dräger sensor, Alcotest® 6820 is a reliable partner for breath alcohol analyses. FOR LAW ENFORCEMENT PURPOSES OR USE IN DOT-REGULATED INDUSTRIES ONLY.

ST-15093-2008

Dräger Alcotest® 7510

The Alcotest® 7510 allows for breath alcohol analysis for any application, and is listed on the National Highway Traffic Safety Administration's Conforming Product List (NHTSA CPL) as an evidential breath tester. This instrument has received the OIML Certificate of Conformity. FOR LAW ENFORCEMENT USE ONLY.

ST-8404-2006

Dräger Mobile Printer

The Dräger Mobile Printer prints breath alcohol and drug test measurement results without using a dedicated power supply.
The Mobile Printer documents measurement results of the Dräger Alcotest® 6820, Dräger Alcotest® 7510, as well as some Alcotest® 7410 Plus versions, and the Dräger DrugTest® 5000. FOR LAW ENFORCEMENT USE OR USE IN DOT-REGULATED INDUSTRIES ONLY.

Services

D-19092-2016

Dräger Service

When you rely on Dräger breath alcohol and drug screening equipment, you can rest assured you made the right choice. For more than 60 years, we've been the global market leader in advanced breath alcohol testing and employ cutting-edge technology to provide devices that are fast, reliable, and easy to use. That's the Dräger Service Advantage.

Technical Data

	ALCOTEST® 5510	ALCOTEST® 6820	ALCOTEST® 7510
NHTSA compliant	Conforming Products List for Evidential Breath Measurement Devices		
Measurement principle	Electrochemical alcohol specific DraegerSensor 1/4" technology		
Visual signal	3-color LED (green, yellow, red) to support displayed messages and warnings		
Audible signal	Beeps and tones to support messages and warnings		
Ready for use	Approximately 6 seconds after being turned on The 6820 can be ready for use in as little as 2 seconds		
Sampling	End of Breath, Minimum Volume, Manual, Passive		
Instrument configuration	Menu-guided configuration of instrument settings (PIN required)		
Languages	4 standard (English, German, French, Spanish); 1 programmable		
Accuracy	In accordance with NHTSA specifications, ±0.005 % BAC of measured value or ±5 % of measured value, whichever is greater		
Humidity	10 % to 100 % RH		
Operating concept	Measurements can be performed with one button; menu navigation with two additional buttons		
Calibration	Wet bath or dry gas		
Mouthpiece	Individually packaged, with tamper proof air outlet and integrated mouthpiece ejector tab		
Mouthpiece connection	Slide 'N' Click mouthpiece attachment for either right- or left-handed operation		Illuminated Slide 'N' Click mouthpiece
Weight (with batteries)	Approx. 195 g; 0.43 lbs	Approx. 259 g; 0.57 lbs	Approx. 390 g; 0.86 lbs
Display	Graphic backlit LCD; 128 x 64 pixels; 41 mm x 24 mm / 1.6" x 1.0"		Transflective backlit LCD
Measurement range	0 to 0.500 % BAC		0 to 0.600 % BAC
Ambient pressure	600 hPa to 1,400 hPa; 17.7 in. to 41.3 in. Hg		600 hPa to 1,100 hPa
Housing	Impact resistant ABS/PC		Rubber housing
Operating temperature	-5 °C to 50 °C; 23 °F to 122 °F		-10 °C to 50 °C; 14 °F to 122 °F
Storage temperature	-40 °C to 65 °C; -40 °F to 149 °F		-40 °C to 70 °C; -40 °F to 158 °F
Power supply	2 × 1.5 V alkaline (AA) batteries; charge status displayed	2 × 1.5 V alkaline (AA) or NiMH rechargeable batteries; charge status displayed	4 × 1.5 V alkaline (AA) or NiMH rechargeable batteries; charge status displayed
Dimensions	140 x 80 x 35 mm (5.5" x 2.8" x 1.25")	147 x 65 x 39 mm (5.79" x 2.56" x 1.53")	185 x 90 x 44 mm (7.3" x 3.5" x 1.8")
Battery charging	No	Yes	Yes
Printer interface	No	Yes	Yes
Data download via PC	No	Yes	Yes
Recalibration lockout	No	Yes	Yes
GPS	No	No	Yes – optional
Mouth alcohol detection	No	No	Yes – optional
Clock	No	Yes	Yes
User information screen	Yes	Yes	Yes
Device information screen	No	Yes	Yes
Test reason code / type	No	Yes	Yes
Data storage	Last 10 tests	< 5,000	> 5,000
Keyboard data entry	No	No	Optional with Mobile Printer and 7510

Alcotest and Saving Lives One Breath at a Time are trademarks of Dräger.

Notes

Notes

Notes

Not all products, features, or services are for sale in all countries.
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