

## Dräger Alcotest® 6820 Alcohol Screening Device

The fast and compact Dräger Alcotest® 6820 alcohol detection device meets the stringent requirements of professional breath-alcohol analysis. With its tried-and-tested DrägerSensor, this robust alcohol tester guarantees very rapid response times and precise test results in all weather conditions and can also be adapted to international guidelines.



## Benefits

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### Alcohol tests for increased safety

Alcohol is one of the most common causes of accidents - both on the road and in the workplace. The Dräger Alcotest® 6820 enables you to increase general safety, and help prevent personal injury, material damage, and even the loss of public image that can result from alcohol consumption.

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### Very easy to use

To deal with a person being under the influence of alcohol requires a high degree of concentration. The Alcotester is easy to use, enabling you to perform breath alcohol tests simply and rapidly. All the measurement functions are operated with just one button. Easily understandable full-text messages on a large, backlit display guide you safely through the alcohol testing procedure. An LED and acoustic signals enhance the visual display and indicate when the test is complete. Two menu buttons are used for navigation and to record the statistical data.

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### Proven quality

The tried-and-tested electrochemical Dräger sensor is also used in the Alcotest 6820. This sensor features very rapid reaction times, high accuracy and a long service life. Even at temperatures of -5 °C and +50 °C, the analysis is always reliable. And, in case of high alcohol levels, the sensor delivers fast, safe results - with both active and passive detection.

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### Practical design

The Alcotest 6820 features a user-friendly and ergonomic design. Its compact shape makes it particularly easy to hold, and it can be controlled with one hand. Thanks to its contour, placing the mouthpiece of the Alcotest 6820 in its mount is intuitive, even in the dark. No matter whether it is for use by a right- or left-handed user, or for checking in traffic driving on the left or right, the display is constantly visible to the user. After use, removing the mouthpiece is just as easy and hygienic.

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### High-quality workmanship

A professional breathalyser has to withstand a lot. Thanks to its user-friendly shape and high-quality workmanship, the Alcotest 6820 meets the growing number of application requirements. And, thanks to its robust materials, it is particularly weather-resistant, e.g. to cold or moisture, and complies with protection class IP 54.

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### "Slide 'n' Click" mouthpiece

The patented Dräger mouthpieces prevent any attempts at manipulation. The optional non-return valve also ensures the highest degree of hygiene.

## Benefits

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### Data processing and documentation

The expanded memory capacity of the Alcotest 6820 can record up to 5,000 test results. An optical interface enables wireless data transfer to the Dräger mobile printer directly on site. In addition, via a USB connection, the data can be transferred to a PC, or the device can be configured.

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### Optional accessories

A wide strap makes the Alcotest 6820 secure and convenient to operate. The strap can be secured to a belt or around the wrist with either a buckle or a hook and loop fastener. Reflective strips make it easy to locate the device when necessary.



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## Accessories



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### Mouthpieces (Slide'n'click)

Mouthpieces in packs of 100, 250 or 1,000 either with or without a non-return valve.

## Accessories



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### Power supply

Alkaline batteries or set of rechargeable batteries for 6820



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### Leather pouch

Leather pouch in black or yellow for belt fastening



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### Printer

Dräger Mobile Printer prints breath alcohol and drug test measurement results without using a dedicated power supply. Operates on 4 AA batteries.

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## Related Products



D-45484-2015

### Dräger Alcotest® 3820

The Dräger Alcotest® 3820 alcohol screener offers responsible drivers a reliable way to test their blood-alcohol level, giving them the assurance of being legal to drive. This is ensured by precise detection technology identical to that used by the police for over 30 million breath alcohol tests a year.



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 detection technology of this small, user-friendly, portable measuring device has already proven itself more than 200,000 times worldwide.



ST-15093-2008

### Dräger Alcotest® 7510

Portable breath alcohol measuring device for challenging screening tests or for use as evidence by the police, or in commercial or industrial settings. Depending on regulatory and market-specific requirements, the measurement results can also be used as admissible evidence in court.



D-43786-2015

### Dräger Alcotest® 9510

The Dräger Alcotest® 9510 is an advanced breath alcohol measuring device for applications admissible in a court of law. It is designed to comply with national and international requirements and regulations (OIML R 126, DIN VDE 0405, SR 941.210.4 (CH)). With dual sensor technology, intuitive colour touch screen interface, and modern design the Alcotest® 9510 sets the standard

## Related Products



### **Dräger DrugTest® 5000**

No pipetting, no drips, no watching the clock:

With the Dräger DrugTest 5000®, drug screening is conducted quickly and easily. Saliva samples can be automatically analyzed straight away for a reliable result on the spot.



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## Technical Data

Test method	Electrochemical Dräger sensor for 1/4" technology; alcohol-specific
Test range	0 to 2.5 mg/L; display indication when exceeding test range
Sampling	Standard: automatic sampling when minimum volume is reached Passive sampling or manual triggering of sampling possible
Ready for use	Approx. 2 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; -4 to +122 °F
Display	Graphic LCD display with background illumination; 41 mm x 24 mm (128 x 64 pixels)
LED	3 colours to indicate messages or alerts
Acoustic alarms	Different signal tones indicate various messages and alerts
Memory	Space for saving the last 5000 tests with test number, date and time
Power supply	Two AA batteries or NiMH batteries, battery indicator on the display. Around 1500 breath tests can be conducted with one set of batteries. Charging rechargeable NiMH batteries is possible in device
Calibration	Wet gas or dry gas calibration
Dimensions (H x W x D), weight	147 mm x 65 mm x 39 mm, approx. 260g
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 Conformity	EMC Directive
Data interfaces	USB to PC; optical interface for printer control
Standard	Meets EN 15964
Protection type	IP 54

## Ordering Information

Dräger Alcotest® 6820 (test unit, 3 mouthpieces, 2 batteries, hand strap, plastic case)	83 22 660
Dräger Alcotest mouthpiece (Slide'n'click)	68 10 690
Package with 100 pieces	68 10 825
Package with 250 pieces	68 10 830
Package with 1000 pieces	
Dräger Alcotest mouthpiece (Slide'n'click) with return valve	
Package with 100 pieces	68 11 055
Package with 250 pieces	68 11 060
Package with 1000 pieces	68 11 065
PSU (power source) 600 mA, 11 V, for charging NiMH batteries	83 16 991
12 V vehicle adaptor for charging NiMH batteries	83 20 252
PC connection cable for Dräger Alcotest Screener USB	83 19 715



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