

## Dräger Alcotest® 6820 med Alcohol Screening Device

The Dräger Alcotest® 6820 med is a special version of the proven Dräger Alcotest® series. The Breathalyser has been designed for diagnostic applications, where the CE marking for medical products is necessary and offers a variety of features that ease daily practices within the medical field.



## Benefits

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### Approved as a medical device

The Dräger Alcotest® 6820 med has a CE marking in accordance with EU directive 93/42/EWG for medical devices. The Dräger Alcotest 6820 med, therefore, meets all the requirements for use in surgical operations, in the emergency room and for methadone substitution therapy.

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### Sophisticated technology

The electrochemical DrägerSensors delivers reliable results quickly even with high alcohol content. Blowing resistance is low, therefore the test can also be used if the test person has a low respiratory volume. The automatic adjustment measures the respiratory flow and adapts the minimum volume in such a way that air is taken from deep inside the lungs. Manually triggered collection can even be used for people who are not conscious. The device displays the test results on a backlit graphics display with LEDs in different colors and, with acoustic signals.

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### Safe and hygienic

The device meets maximum hygiene requirements. This includes a patented single-use mouthpiece with a non-return valve. Another feature is the spacer which prevents direct contact between the lips and the device. When the test is completed, the mouthpiece can be removed quickly, securely and hygienically from the device.

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### Easy handling

The instrument is no bigger than a shirt pocket and is easy to operate. The mouthpiece can be fitted quickly and securely. Thanks to the special ergonomic shape the device can be operated by right-handed or left-handed persons.

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### Recording test results

The Dräger Alcotest 6820 med has a memory for 2,000 test results. Via an optical interface, the results can be printed on the Dräger Mobile Printer or, transferred to a PC.

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### Low energy consumption

The device is powered by two 1.5 V AA Alkaline batteries, sufficient for approximately 1,500 tests at room temperature. Alternatively, two 1.2 V rechargeable NiMH batteries can be used. They can be charged inside the device.

## Accessories



### Mouthpieces

Mouthpieces are supplied in packs of 100, 250 and 1,000, with non-return valve.



### Dräger Mobile Printer

The Dräger Mobile Printer prints breath alcohol and drug test measurement results directly on the spot.



### Leather pouch

Leather pouch in black or yellow for belt fastening



### System case

Case for the Alcotest® 6820 med and the Dräger Mobile Printer

## Accessories



D-9486-2014

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### Power supply

Alkaline batteries for Alcotest® 6820



D-12913-2009

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### Power Supply

Charger for charging the NiMH batteries in the Dräger Alcotest® 6820



ST-14738-2008

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### 12-V charging cable

Car charger



D-12910-2009

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### PC connection cable with USB interface

USB cable for data transfer

## Related Products



### Dräger DrugCheck® 3000

Use the Dräger DrugCheck® 3000 to find out within minutes if a person recently consumed certain drugs. The compact and quick saliva (oral fluid) based drug test yields reliable results affordably and easily. The non-invasive drug test kit does not require electricity and can therefore be used anywhere.



### Dräger DrugTest® 5000

No pipetting, no drips, no timing: With the Dräger DrugTest® 5000, a drug test is carried out simply and quickly. The collected saliva sample can be analysed immediately - for accurate results on the spot.

## Technical Data

Measuring principle	Electrochemical sensor
Measurement range	0 to 2.5 mg/L
Sampling conditions (automatic measurement)	At the end of the breath sample Breath flow: > 3 L/min Breath volume: > 0.3 L
Measurement accuracy (standard deviation with an ethanol standard)	0 to 0.5 mg/L: $\pm 0.008$ mg/L > 0.5 mg/L: $\pm 1.7$ % of measured value
Sensitivity drift	Typically 0.4 % of measured value per month
Cross sensitivity to anesthetic gases	None
Calibration interval	6 months
Memory	Space for saving the last 2000 tests with test number, date and time
Functional test	Weekly (recommended)
Dimensions (H x W x D)	Approx. 65 mm x 147 mm x 39 mm / 2.56 in x 5.79 in x 1.54 in
Weight	Approx. 260 g
Electrical supply	2 x 1.5 V Type Alkaline (Mignon, LR6, AA), approx. 1500 measurements at room temperature, or 2 x 1.2 V NiMH rechargeable batteries (Mignon, LR6, AA)
Interface	for data transmission to a PC
Classification as per Directive 93/42/EEC, Annex IX	Measuring instrument: Class I with measuring function Mouthpieces: Class I
UMDNS-Code	17-475
CE conformity	EMC Directive 93/42/EWG for medical devices

## Ordering Information

Dräger Alcotest® 6820 med (Measuring instrument, 3 mouthpieces, batteries, hand strap and case)	83 26 270
Mouthpieces (100 pieces) with non-return valve	68 11 055
Alkaline battery	13 35 804
Rechargeable NiMH battery	18 90 092
Power supply for charging NiMH batteries inside of the Dräger Alcotest® 6820 med	83 16 991
Car charger	83 20 252
System case	83 19 330
Ethanol standard solution 1,21 g/L for functional test (500 mL)	67 28 838
Diagnostics, PC program for communication with the Dräger Alcotest® 6820 med	83 17 915
PC connection cable	83 19 715
Dräger Mobile Printer	Standard Modular system
	83 19 310 83 19 340
Printer paper (5 rolls) 7 year shelf life	83 19 002
Printer communication cable with Mini-USB for use with Dräger Mobile Printer	83 18 657

## Notes

## Notes

Not all products, features, or services are for sale in all countries.  
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to [www.draeger.com/trademarks](http://www.draeger.com/trademarks) to find the current status.

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