

## Dräger Alcotest® 5820 Alcohol Screening Device

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.



## Benefits

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### Breath alcohol testing made easy

The device is ready to use within seconds. This means that you can perform an (active) test on a subject at any time to measure breath alcohol concentration (BrAC). It is also possible to measure alcohol in the ambient air (passive), in which case a mouthpiece isn't required.

All functions required for a measurement are activated with the convenient green OK button, while two menu buttons are used for navigation.

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### Versatile and tough

The tried and tested electro-chemical Dräger sensor in the Alcotest 5820 is distinguished by its very fast response times and a long service life. It operates with extreme precision and reliability. The analysis is reliable even at temperatures of -5 to +50°C/23 to 122°F. The sensor also delivers reliable results quickly in case of a high alcohol content, for both active and passive measurements.

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### Convenient to use

Dealing with intoxicated people requires a high degree of attention and concentration. An intuitive operation of the device is an important aspect for ease of use and smooth breath testing procedures.

All measurement functions can be operated with just one button to make it easier for you to perform the test. The large back-lit display is easy to understand due to its full-text messages which guide you securely through the alcohol test. An LED and audible signal complement the display and indicate the end of a measurement process. Two menu buttons are used to navigate through the menu, enabling you to perform functions such as reviewing the last test results.

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### Always ready for use

On cold winter nights or a hot summer day: The device is ready for use almost immediately. The temperature range for measurements is from -5 to +50°C/23 to 122°F.

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### Simply hygienic: the Slide 'N' Click mouthpiece

The sophisticated product design meets the requirements for performing the breath alcohol test quickly, easily and hygienically: The shape of the Slide 'N' Click mouthpiece allows you to intuitively fit it correctly, even in the dark. The Alcotest 5820 is ready to use again immediately after changing the mouthpiece. Furthermore, attempts at obstruction are consistently rejected by the device: the air outlet cannot be closed, foiling any attempts to manipulate the device when giving a breath sample.

A spacer on the mouthpiece keeps the lips of the person being tested from coming into contact with the device's housing. The spacer can also be used as a mouthpiece ejector if necessary. Mouthpieces with return valve are also available upon request.

## Accessories

ST-178-2004



### Mouthpieces (Slide 'N' Click)

Available in packs of 100, 250, and 1,000 mouthpieces with or without non-return valve.

D-45460-2015



### Protective Cover

The cover offers additional protection. Meaning, it can be operated while in the cover, since the display is visible at all times.

## 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.

## Related Products



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-430-2006

### Dräger Alcotest® 9510

The Dräger Alcotest® 9510 is an advanced breath alcohol measuring instrument for evidential applications. It is designed to comply with national and international requirements and regulations (OIML R 126). With dual sensor technology, intuitive color touch screen interface, and modern design the Alcotest® 9510 sets superior standards. FOR LAW ENFORCEMENT PURPOSES ONLY



D-54720-2012

### Dräger DrugTest® 5000

The Dräger DrugTest® 5000 system is a fast, accurate means of testing oral fluid samples for drugs of abuse, such as amphetamines, designer amphetamines, opiates, cocaine and metabolites, benzodiazepines, cannabinoids, and methadone. The analyzer offers easy data management with the Dräger Diagnostics Software. FOR LAW ENFORCEMENT USE ONLY.

## Technical Data

Measuring principle	Electrochemical DrägerSensor in 1/4" technology; alcohol specific
Measuring range	0 to 2.5 mg/L; if measurement range limit is exceeded, a message is displayed
Sampling	Standard: automatic sampling when minimum volume resp. defined blow time is reached; Passive sampling without mouthpiece or manual initiation of sampling possible
Ready for use	Approx. 2 s after switching on
Display of measurement result	After approx. 3 s (at 0 mg/L); after approx. 10 s (at 0.5 mg/L, room temperature)
Operating temperature	-5 to +50°C/23 to 122°F
Relative humidity	10 to 100 % relative humidity (non-condensing and in operating state)
Ambient pressure	600 to 1,300 hPa/17.7 to 38.4 inch Hg
Display	Graphic backlit LCD display; 32 x 22 mm/1.3" x 0.9" (128 x 64 pixels)
LED	2-colour, to support display of results and warning messages
Audible signal	Different signal tones to support display messages and warnings
Datalogger	Storage of last 100 tests with test numbers
Power supply	1 x CR123A-Battery, charge level indicator in display, with one battery approx. 1,500 breath tests can be done.
Mouthpiece adaption	Improved Slide 'N' Click mouthpiece attachment; can be fitted for right or left orientation
Mouthpiece	Hygienically, individually packaged, with tamper-proof, tamper-proof air outlet, mouthpiece ejector and spacer between mouth and instrument housing
Operating concept	Measurement functions can be performed using just one button; menu navigation is via two menu button
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (W x H x D), weight	Approx. 50/60 x 141 x 31 mm / 2"/2.4" x 5.6" x 1.2"; approx. 150 g / 0.33 lbs, incl. battery
Instrument configuration	Direct menu-guided configuration of instrument settings (PIN required) No additional PC software needed
Vibration and shock	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE marking	2014/30/EU (electromagnetic compatibility)
Norm	EN 15964, NHTSA, FDA Conformity, depending on configuration
Internal clock	Warning or deactivation after end of service interval
Protection type	IP54

## Ordering Information

Dräger Alcotest® 5820 – Configurator	83 24 921
Dräger Alcotest® 5820 – fixed configuration (device, 3 mouthpieces, 1 battery, hand loop, plastic transportation case.	83 25 200
Dräger Alcotest® 5820 – USA	83 24 940
Dräger Alcotest® 5820 – Japan	83 25 230
Mouthpiece – Package with 100 pieces	68 10 690
Mouthpiece – Package with 250 pieces	68 10 825
Mouthpiece – Package with 1,000 pieces	68 10 830

## Ordering Information

Mouthpiece with non return valve – Package with 100 pieces	68 11 055
Mouthpiece with non return valve – Package with 250 pieces	68 11 060
Mouthpiece with non return valve – Package with 1,000 pieces	68 11 065
Protection bag, black	83 24 999
Battery	45 43 808

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