Dräger Alcotest® 5000
Alcohol Screening Device

The Dräger Alcotest® 5000 is a professional breath-alcohol tester which detects the presence of alcohol. The high-speed breathalyser lets you perform numerous tests in no time. Its special funnel reduces the back-flow of expired air to a minimum, preventing the risk of infection to subsequent test subjects.

Exchangeable funnel
prevents back-flow of expired air

Display
shows test results, warnings and additional information

OK button
for simple, one-button operation

LEDs
supplement display

Menu buttons
for navigating the device menu

Electrochemical DrägerSensor®
for very fast response times and high durability

3x AA alkaline batteries
for more than 5,000 tests

Dräger. Technology for Life®

Benefits

Maximum control in minimum time with our fastest ever breathalyser

With the Alcotest® 5000, you can test up to 12 people a minute to determine whether they have consumed alcohol or not. Especially for police and private security professionals, testing large numbers of people for intoxication in a short period of time presents a major challenge: for example, during large-scale operations, entrance checks at work sites, and stadiums, entry points to public transport and airport security checks. In the case of a positive test result, exact blood-alcohol levels can be calculated if necessary using Dräger alcohol screeners or court-approved evidential devices.

High-precision rapid alcohol testing with hygienic funnel design

The alcohol test takes place without the need for bodily contact with the test subject. There is no need to attach and detach mouthpieces, because testing requires the subjects simply to blow into a funnel. With its unique design, this special Dräger Alcotest 5000 funnel prevents the back-flow of the subject's own expired air and the inhalation of any pathogens from previous test subjects. After use, the funnel attachment is easily exchanged, providing assurance of a hygienic solution.

Alcohol testing with simple operation and convenient oversight

With its easy-to-use, single-button operation via the OK button, the Alcotest 5000 is the latest generation of Dräger's proven, simple-to-operate alcohol testing devices. Using its two additional arrow buttons, you can navigate easily and for example: view the latest test results, reset the test counter, check for the next scheduled calibration date, or set the menu to a different language. The instructions for the test process are language-neutral and easy to understand, thanks to symbols on the display.

Breath-alcohol testing at a distance

Where the tester and the test subject are not adjacent (for example, a driver seated in the cab of a lorry), the Alcotest 5000 features a ¼" thread on the back of the device where a standard selfie stick can be attached. This speeds up the breath-alcohol testing process.

With just one change of batteries, the Alcotest 5000 can perform over 5,000 tests, whether actively (the test subject actively blows into the funnel attachment) and / or passively (for example, measuring alcohol in ambient air or suspicion of alcohol in beverages).

Benefits

The Alcotest Hygiene Plus

Hygiene is an increasingly important part of our everyday lives. Dräger Alcotest breath-alcohol detection devices use non-invasive measuring technologies with a high degree of hygiene – for the user as well as the test subject – thanks to the following features:

- Funnel attachment is individually packaged

- Benefits of the replaceable funnel attachment:
  - no body contact with the test subject
  - blocks backflow of the test subject's own exhaled air, which prevents intake of potential pathogens from previous test subjects

- the threaded attachment point on the device attaches to an ordinary selfie stick (sold separately), creating even more space between user and test subject

Innovation born out of tradition

With over 65 years of experience, Dräger is the global market leader in the field of breath-alcohol testing. Police in many countries use devices from the Alcotest product series in everyday traffic monitoring. The Alcotest 5000 is made in Germany and meets the highest standards of quality. It uses the same, professional EC sensor technology, ensuring precise test performance and secure results.

Details

D-31900-2020

1/4" thread for mounting a selfie stick

D-31901-2020

Optional reflector film set (yellow or orange)

D-31888-2020

Grips and wrist-straps for secure holding

D-31882-2020

“Test Progress Display” symbol

D-31878-2020

“No Alcohol Detected” symbol

D-31880-2020

“Alcohol Detected” symbol

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Related Products

D-32068-2020

Dräger Alcotest® 6000

The Dräger Alcotest® 6000 allows the professional user to perform a breath alcohol test with speed and precision. The measuring technology of this small and user-friendly portable measuring device has already been proven worldwide and has been sold over 1,000,000 times.

D-11938-2016

Dräger Alcotest® 6820

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.

ST-15093-2008

Dräger Alcotest® 7510

This compact and robust handheld breath alcohol measuring device is especially designed for advanced screening applications. Ideal for use by police, commerce and industry as an alcohol screening device. The Alcotest® 7510 can in many countries and markets be used as an evidential device.

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.

Technical Data

Dräger Alcotest® 5000	
Measuring range	0 to 0.029 mg/l → “Tick mark” symbol on the display screen means “No Alcohol Detected”, visually supported by a green LED.
	From 0.030 mg/l → “X” symbol on the display screen means 'Alcohol Detected', visually supported by a red LED.
	From 2.5 mg/L → Measuring range exceeded (↑ ↑ ↑)
Standard sampling	Sampling starts automatically when the minimum volume or predefined blowing time is reached. Passive sampling can be done with or without a funnel. Sampling can be triggered manually while the test subject blows into the funnel.
Start-up time	Ready to use approx. 4 sec. after switching on
Display of test results	After approx. 2 sec. (at 0 to 0.029 mg/l); after approx. 6 sec. (at e.g. 0.5 mg/l, at room temperature).
Measurement basis	Electrochemical DrägerSensor®, alchohol-specific
Display	Graphic LCD display with backlight 32 x 22 mm (128 x 64 pixel)
LEDs	Two-colours, for supporting test results and warning messages on the display
Acoustic signals	Various signal tones for supporting display and warning messages
Memory	Stores the latest 500 test results with test number, date and time
Energy supply	3x AA batteries, charge status shown on display; with the battery life from 3x AA batteries, more than 5,000 tests can be performed.
Funnel intake	Click adapter for funnel
Funnel	Hygienic, individually packaged with air outlets for minimising back-flow of expired air
Operating design	Test functions are started with the “OK” button; two arrow buttons are used to navigate through the menu.
Calibration	Wet- or dry-gas calibration with the Alcotest 5000 calibration adapter
Exterior	Impact-proof ABS/PC
Dimensions (W x H x D), Weight	Approx. 63 x 219 x 41 mm; approx. 245 g incl. funnel and batteries
Vibration and impact resistance	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE marking	EMC Directive
Standards	Contactless breath-alcohol testing devices are currently not subject to any standards
Internal clock	Warning 30 days before service interval expires
Service interval	24 months
Operating temperature	-15 °C to +50 °C
Air humidity	10 to 100 % relative humidity (not condensed and in operation)
Ambient pressure	600 to 1,300 hPa