

Dräger Alcotest® 7000 Alcohol Screening Device

The Dräger Alcotest® 7000 sets new standards in alcohol test devices. Its benefits include a wider temperature- and measuring range, low maintenance requirements and various networking options. In addition, the device can perform alcohol tests via both a mouthpiece and a funnel. Reliable alcohol tests have never been so fast, simple and efficient.



Benefits

Calibration

The Dräger Alcotest® 7000 needs calibrating every 6 months. You have to collect, send off and then re-issue your alcohol testers **twice** a year.

Two measurement methods in one device

Alongside the classic test using a mouthpiece, with the Alcotest 7000 you can also carry out tests using a funnel attachment. This enables you to complete a large number of alcohol tests in a very short span of time: time-saving, cost-effective and hygienic. The funnel-based test gives you an initial indication as to whether or not alcohol is present in the subject's breath. If the answer is yes, you simply press a button to switch over to the mouthpiece-based test mode. The following test then shows you the actual level of alcohol in the subject's breath.

Wide temperature range

With the Alcotest 7000 you can take reliable measurements even in extreme temperatures. The alcohol tester's patented heating system and high-quality materials ensure dependable results in temperatures ranging from -10 °C to +55 °C.

Network-connected solutions

The built-in Bluetooth® Low Energy technology offers you energy-saving, digital connectivity for the device and its data. This has many advantages: For example, the wireless connection of the alcohol tester to the Dräger BT Mobile Printer enables you to print out test results from a distance of up to 15 meters.

In addition, our software solution "Dräger add" facilitates a range of processes for you, such as precise location mapping and the on-site digitalisation of personal data and test results.

Dräger's Service Connect software enables you to download measurement data and much more. You can also connect the Alcotest 7000 directly to a computer with a USB-C cable to read out just the test results.

High alcohol-detection limits

The increased performance capacity of the Alcotest 7000 also includes its measurement range. The maximum blood-alcohol limit that can be set with this alcohol testing device is as high as 6‰. If this measurement range limit is exceeded, the display will tell you.

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:

- During testing, the exhaled air is directed past rather than through the device
- There is a 90° angle between the user and the test subject during testing
- Disposable mouthpieces and funnel attachments are individually packaged
- Benefits of the Slide 'n' Click mouthpieces:
 - safe, hygienic distance between user and test subject
 - spacer prevents direct contact between lips and device
 - mouthpiece is easy to remove
 - the non-return valve prevents inhalation of air through mouthpiece
- 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 attaches to an ordinary selfie stick (sold separately), creating even more space between user and test subject

Innovation born out of tradition

With more than 65 years of experience, Dräger is a market leader in the field of breath-alcohol testing. Law enforcement in many countries use devices from the Alcotest product series in everyday traffic monitoring. The Alcotest 7000 is manufactured in Germany and meets the highest quality standards.

Details



D-241153-2020

Mouthpiece receptacle can be mounted on left or right



D-241151-2020

The 2.4" colour display provides information, notices and warnings



D-241144-2020

Fast switchover from funnel-based to mouthpiece-based testing



D-241145-2020

USB-C interface for easy downloading (while stationary or on the move)



D-241147-2020

Rubberised handling area for a secure grip

Accessories



D-25676-2020

Alcotest 7000 charging station

The Alcotest 7000 charging station makes it easy to charge the lithium-ion version as well as connect to a PC. The device's USB-C cable charges it. The charging station can be fixed in place as required.



D-30594-2017

Alcotest funnel

Package unit: 10 pieces, hygienically and individually packaged with air outlets to minimise back-flow of expired air



ST-178-2004

Mouthpieces (slide'n'click)

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

Accessories



Protection options

To protect the device, Dräger offers device protection bags and various fabric storage bags and transport cases.

Services



Product Service

Our product service provides support with different service packages – in our workshops or directly on your premises. Care, maintenance and servicing are crucial for safety and reliability – but careful maintenance and care are a must, even when it comes to commercial considerations. Preventive checks, ongoing care and use of original replacement parts improve the longevity of your investment.



Training

The Dräger Academy has shared its solid, practical knowledge for over 40 years. We hold more than 2,400 training courses each year, on a range of over 600 topics, with more than 110 authorised trainers. We equip your staff with practical knowledge and ensure that what they learn can be applied effectively, both day-to-day and, more importantly, whenever critical situations occur. We will be pleased to develop a customised training programme for you.

Services



D-2330-2016

Rental Service

From bridging a temporary shortage of equipment to procuring special equipment for applications involving specific requirements: If you only need to cover a temporary higher demand, then DrägerRental Service with over 65,000 pieces of rental equipment is an economical alternative to purchasing. Fast, straightforward and with a wide range of additional services available upon request.



D-2329-2016

Shutdown Safety Service

In need of a comprehensive safety solution? Is there a long list of legal requirements you have to meet, and are you pressed for time? Balancing maximum efficiency with optimal security can pose major challenges. We can help you achieve that balance. Our Shutdown Safety Service is a solution that takes into account all the necessities of downtime and especially your individual requirements.



D-2332-2016

On-site Safety Service

Whether through a rental shop, personnel services or comprehensive safety management, our On-Site Safety Services provide support in all projects where there are particular safety risks – not to mention normal day-to-day business.

Related Products



D-31886-2020

Dräger Alcotest® 5000

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.



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-42702-2015

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.



D-54720-2012

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 analyzed immediately – for accurate results on the spot.

Technical Data

Dräger Alcotest 7000

Detection basis	Electrochemical DrägerSensor [®] , 1/4" technology, alcohol-specific
Measurement range	Breath alcohol concentration: 0 to 3.0 mg/l; (Ethanol mass per minimum volume at 34 °C and 1,013 hPa) Blood alcohol concentration: 0.00 to 6.00 ‰ (Ethanol mass per blood volume or mass at 20 °C and 1013 hPa) Visual signal when measuring limits are exceeded
Sample collection	Default: Automatic sample collection when minimum volume or predefined blowing time is reached; Passive sampling or manual triggering of sampling possible
Start-up time	Approx. 3 seconds after switching on (depending on configuration)
Display of test results	After approx. 3 seconds (at 0.0 mg/l) After approx. 10 seconds (at 0.5 mg/l, at room temperature)
Ambient operating conditions	-10 °C to +55 °C; 10 to 100 % relative humidity (non condensing); 600 to 1,300 hPa
Ambient conditions during storage	-20 °C to +60 °C; 15 to 75 % relative humidity (10 to 100% relative humidity <48 h); 600 to 1,300 hPa
Display	QVGA TFT colour display 320 x 240 2.4"
LEDs	tricolour LEDs to help display results and warning messages
Acoustic signals	Various signal tones to support display and warning messages
Memory	Storage of the last 30,000 tests (minimum information) or 10,000 tests (high-detail information)
Energy supply	Lithium-ion battery (rechargeable via USB-C connection) or alkaline version (3 x 1.5 V alkaline type or 3x NiMH or 3x lithium primary cell (Mignon, LR06, AA), Charge status shown in display; one charge is sufficient to perform approx. 5,000 breath test (lithium version) or 1,500 breath tests (alkaline version).
Mouthpiece receptacle	The Slide 'n' Click mouthpiece or Alcotest funnel mounts on either side
Mouthpiece	Hygienic, individually packaged with tamper-proof, unclosable air outlet Mouthpiece ejector and spacer between mouth and device housing
Funnel	Hygienic, individually packaged with air outlets for minimising back-flow of expired air
Operating design	Measuring functions can be performed with one key; Navigation in menu with two menu keys
Calibration	Wet gas or dry gas calibration; Recommended calibration interval of 6 months
Casing	Impact-resistant ASA/PC
Dimensions (W x H x D), Weight	61 mm x 172 mm x 36 mm; A7000 LI: 275 g A7000 AA: 285 g
Device configuration	Configuration of device settings direct via device menu (PIN required) No additional PC software required
Vibration and impact resistance	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE mark	Electromagnetic compatibility
Standards	EN 15964, NHTSA, FDA-conformity, depending on configuration
Internal clock	Warning or switch-off after expiry of calibration period

Technical Data

	(depending on configuration)
IP protection class	IP 54
Interface	USB-C
Bluetooth®	Bluetooth® Low Energy 5.0
GPS	Options

Ordering Information

Dräger Alcotest 7000 – Configuration tool	37 00 398
Dräger Alcotest 7000 – Standard configuration	37 00 400
Meter, 3 mouthpieces, hand strap, standard configuration	
Dräger Alcotest 7000 charging cradle	37 00 420
Dräger Mobile Printer BT	37 00 421
Mouthpieces – package of 100	68 10 690
Mouthpieces – package of 250	68 10 825
Mouthpieces – package of 1,000	68 10 830
Mouthpiece with non-return valve – package of 100	68 11 055
Mouthpiece with non-return valve – package of 250	68 11 060
Mouthpiece with non-return valve – package of 1,000	68 11 065
Alcotest® funnel, package of 10; individually, hygienically packed	83 27 718
Alkaline batteries (Mignon, LR6, AA, 1.5 V) – 3 batteries required	13 35 804
NiMH battery (AA, 1.2 V rechargeable) – 3 batteries required	18 90 092
Lithium battery (AA, 1.5 V) – 3 batteries required	37 00 415

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