

Dräger Alcotest® 3820 Alcohol Screening Device

The Dräger Alcotest® 3820 offers responsible drivers a reliable way to test their breath concentration (BrAC) alcohol and gives them the assurance of being legal to drive. This is ensured by precise measurement technology identical to that used by the police: over 30 million breath alcohol tests a year.



Benefits

Precision for over 60 years: Measurement technology used by the police

Dräger has been the world market leader and professional supplier of breath alcohol measuring devices for the police and industry for over 60 years. The measurement technology in the Alcotest 3820 is identical to that in devices used for highly precise breath alcohol tests.

Consistent advances in technology over six decades have made the Alcotest 3820 incomparably fast and reliable today. As a private user or professional driver, you can avoid unpleasant surprises if your breath alcohol concentration is checked.

Dräger instruments perform over 30 million breath alcohol measurements around the world each year. The high quality devices are made in Germany.

Fast and easy sampling

The measurement function is activated with the back-lit function button. Optional audible feedback provides additional orientation. The device is ready to use in seconds and the breath test can be performed immediately. The same button is used to navigate through the menu

Replaceable mouthpiece

The mouthpiece is intuitive to fit and is protected by a cap. A new mouthpiece should be used for each person being tested. Additional mouthpieces are available as accessories. The air channel passes the exhaled air over the device, and only a small sample of this air is drawn for analysis. This ensures that there is no residual alcohol in the device and that all measurements remain precise and reliable. The same method is also used by the police.

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 ranges from -5 to +50°C/23 to 122°F.

Handy and discreet

Thanks to its compact design, the Alcotest 3820 fits into a pocket. Therefore you can take a measurement discreetly at any time—no matter where you are. You always can precisely measure your residual alcohol value, whether after a business lunch, at a party, or the morning afterwards.

Benefits

Designed for years of use

The Alcotest 3820 is made in Germany and meets the highest quality standards. Regular calibration of the device ensures that the measurement technology will remain precise for a long time. The worldwide, regional Dräger service network ensures that you can keep using the device for many years. The electrical system for the MRC 5000 includes batteries for all electrical functions, the air conditioning system, and green and red external status lights.

Accessories



Mouthpieces

5 replacement mouthpieces. Hygienic and individually wrapped.



Microfibre pouch

Protects against dust and scratches.

Related Products



D-74695-2013

Dräger Alcotest® 6820

Keeping the roads safe and free of impaired drivers is an unpredictable and high stress job. Dräger designed the Alcotest® 6820 handheld breathalyzer specifically for the needs of law enforcement officers. It's easy to use and provides fast, reliable results in the toughest environments you face when every second matters.

Technical Data

Measuring principle	Electrochemical Dräger sensor for 1/4" technology, alcohol specific
Measuring range	0 to 5.00‰; if the limits of the measuring range are exceeded, a message is displayed
Sampling	Automatic sampling when minimum volume resp. blow time is reached; Automatic sampling when end of breath is reached; depending on configuration
Ready for use	Approx. 4 seconds after switching on
Display of the measurement results	After approx. 3 s (at 0.00‰); after approx. 10 s (at 1.00‰, 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	1 light emitting diode (LED) to support the indication of results and warning message
Audible signal	Various acoustic signals to support messages and warnings on the display
Data Logger	Memory of last 10 tests
Power supply	Internal: 3 Dräger Pac® 7000 (portable; CO ₂ , CO, O ₂)
Mouthpiece	Customization is available
Operating concept	Chemical toilet with curtain
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (W x H x D), weight	Approx. 50 x 133 x 29 mm/1.9" x 5.2" x 1.1" approx. 130 g/4.5 oz., incl. battery
Vibration and shock	EN 60068-2-32

Technical Data

CE marking	2004/108/EC (electromagnetic compatibility)
Norms	EN 16280, EN 15964, NHTSA, FDA Conformity, depending on configuration
Integrated clock	To show calibration interval
IP protection class	IP52

Ordering Information

Dräger Alcotest® 3820—Configurator	83 24 922
Dräger Alcotest® 3820—Sweden	83 24 923
Dräger Alcotest® 3820—Finland	83 24 924
Dräger Alcotest® 3820—Norway	83 24 925
Dräger Alcotest® 3820—USA	83 24 926
Dräger Alcotest® 3820—USA	83 24 928

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Not all products, features, or services are for sale in all countries.

CORPORATE HEADQUARTERS

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