

Dräger Alcotest® 3820 Alcohol Screening Device

The Dräger Alcotest® 3820 eliminates guesswork by providing a reliable breath alcohol concentration reading every time. The device ensures precise results by using the same measurement technology used by police in over 30 million breath alcohol tests a year.



Benefits

Precise measurement technology used by the police

Dräger has been the world 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 of professional devices used for highly precise breath alcohol tests.

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

Fast and easy testing

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 fits easily on the device 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.

Always ready for use

The device is ready for use almost immediately—even in extreme weather—and can be used in temperatures ranging from -5°C to +50°C (23°F to 122°F).

Handy and discreet

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

Designed for years of use

The Alcotest 3820 is made at Dräger facilities in Lübeck, Germany and meets the highest quality standards. Regular calibration of the device ensures that the measurement technology will remain precise. The worldwide, regional Dräger service network ensures that you can keep using the device for many years.

Accessories



D-44621-2015

Mouthpieces

5 replacement mouthpieces. Hygienic and individually wrapped.



D-45503-2015

Microfibre pouch

Protects against dust and scratches.

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	1 x CR123A-Battery, charge level indicator in display; approx. 1,500 breath tests can be done with one battery.
Mouthpiece	Hygienically and individually packed
Operating concept	Measurement functions can be performed using just one button
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. 120 g/4.5 oz., incl. battery
Vibration and shock	EN 60068-2-32
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



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