

Dräger Alcotest 5510

As entry level model of the successful Dräger Alcotest 6510 the Dräger Alcotest 5510 offers professional users precise and quick breath alcohol analysis in a user-friendly and compact form. Thanks to its wide range of possible configurations, the handheld instrument can be easily adapted to meet different international regulations and guidelines.



Safe and easy to use

Automatic sampling and calibration processes make the instrument easy to use. All measurement functions are controlled via a single key, while menu navigation is by two menu keys. The special way the mouthpieces are designed means they can be fitted quickly and securely even in poor light conditions.

Rapid ready for use

The very latest in electronics technology ensures that the instrument is ready for use in no time at all.

Quick and precise analysis

The 1/4"-DrägerSensor with its optimized gas dynamics measures specifically alcohol. Even at high alcohol concentrations direct gaspaths, fast pneumatic components and short reaction times of the sensor ensure the measurement result will be displayed quickly.

Low energy consumption

More than 1500 breath alcohol tests can be conducted on just two mignon batteries (AA size).

"Slide'n'click" mouthpiece

The shape of the mouthpiece means you will intuitively fit it correctly. An air outlet which cannot be obstructed prevents any manipulation when the breath sample is given. A spacer on the mouthpiece prevents the test subject's lips from coming into contact with the instrument's housing, and at the same time may be used as a mouthpiece ejector. The individually packaged mouthpieces can be attached to the instrument easily and hygienically.

Practical design

Thanks to its compact dimensions, the Dräger Alcotest 5510 even fits into a shirt pocket. The ergonomic design makes the instrument equally easy to use for right and left-handed people. The separation of the grip area and the mouthpiece automatically ensures a certain distance between the hand of the operator and the mouth of the person to be tested.

Integrated datalogger

The latest 10 measurement results with their respective test numbers are stored in the datalogger. Individual results can be called up from the log by pressing the menu keys.



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TECHNICAL SPECIFICATIONS

Principle of measurement	Electrochemical DrägerSensor in 1/4" technology; alcohol-specific
Measurement range	0 to 2.5 mg/L; if measurement range limit is exceeded, a message is displayed
Sampling	Standard: automatic sampling when minimum volume is reached Passive sampling without mouthpiece or manual initiation of sampling possible
Ready for use	approx. 6 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
Humidity	10 to 100 %RH, non-condensing
Ambient pressure	600 to 1,400 hPa / 17.7 to 41.3 inch Hg
Display	Graphic backlit LCD display; 41 mm x 24 mm / 1.6" x 0.9" (128 x 64 pixels)
LED	3-colour, to support display and warning messages
Audible signal	Different signal tones to support display messages and warnings
Datalogger	Storage of last 10 tests with test numbers
Power supply	Two AA batteries. Charge status displayed approx. 1,500 breath tests can be performed on one set of batteries
Mouthpiece adaption	Slide'n'click mouthpiece attachment. Can be fitted for right or left orientation
Mouthpiece	Hygienically, individually packaged, with tamper-proof, non-obstructable air outlet, mouthpiece ejector and spacer between mouth and instrument housing
Operating concept	Measurement functions can be performed using just one key; menu navigation is via two menu keys
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (H x W x D), weight	Approx. 142 mm x 75 mm x 36 mm / 5.6" x 2.9" x 1.4", approx. 195 g / 0.5 lbs, incl. batteries
Instrument configuration	Direct menu-guided configuration of instrument settings (PIN required) No additional PC software needed
Vibration and shock	Conforms to EN 60068-2-6, EN 60068-2-29
CE marking	Directive 89/336/EC (electromagnetic compatibility)
Norm	EN 15964

ORDER INFORMATION

Dräger Alcotest 5510 (measuring instrument, 3 mouthpieces, 2 batteries, wrist strap, in plastic case), Mouthpieces (slide'n'click)	83 22 650
Pack of 100 mouthpieces	68 10 690
Pack of 250 mouthpieces	68 10 825
Pack of 1,000 mouthpieces	68 10 830
Leather pouch, black (belt attachment)	83 17 911
Leather pouch, yellow (instrument can be operated inside the pouch, compartment for 4 to 5 mouthpieces, no belt attachment)	83 17 931

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

AUSTRALIA

Dräger Safety Pacific Pty. Ltd.
Axxess Corporate Park
Unit 99, 45 Gilby Road
Mt. Waverley Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

CANADA

Dräger Safety Canada Ltd.
7555 Danbro Crescent
Mississauga, Ontario L5N 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

P. R. CHINA

Dräger Safety Equipment
(China) Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone,
Shunyi District, Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
3c route de la Fédération,
BP 80141
67025 Strasbourg Cedex 1
Tel +33 3 88 40 76 76
Fax +33 3 88 40 76 67

MEXICO

Dräger Safety S.A. de C.V.
Av. Peñuelas No. 5 Bodega No. 37
Fraccionamiento Industrial
San Pedrito
Querétaro, Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

REGION ASIA PACIFIC

Dräger Safety Asia Pte Ltd
67 Ayer Rajah Crescent
#06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377-9100
Fax +507 377-9130
contactcsa@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

SPAIN

Dräger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Dräger Safety UK Ltd.
Blyth Riverside
Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352-891
Fax +44 1670 356-266

USA

Dräger Safety Diagnostics, Inc.
4040 W. Royal Lane, Suite 136
Irving, TX 75063
Tel +1 972 929 1100
Fax +1 972 929 1260

Manufacturer:

Dräger Safety AG & Co. KGaA
23560 Lübeck, Germany