

Dräger Alcotest® 5510 Alcohol Screening Device

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.



Benefits

Sophisticated technology

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

Comfortable operation

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.

Easy handling

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.

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.

Safe and hygienic

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.

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.

Low energy consumption

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

Technical Data

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



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