



A STRONG TEAM.  
DRÄGER ALCOTEST 6510

DETECTION  
PERSONAL PROTECTION  
DIVING TECHNOLOGY  
SYSTEM TECHNOLOGY  
SERVICES

**Dräger**safety

Do not give risks  
the slightest chance.

ALCOHOL, FOR MANY PEOPLE A FAVORITE MEANS OF ESCAPING STRESS – FOR POLICE THE CAUSE OF COUNTLESS STRESS SITUATIONS. SITUATIONS WHERE THEY HAVE TO RELY ON THEIR EXPERIENCE. AND ON THE DRÄGER ALCOTEST 6510.

Although the number of accidents caused by drunk driving is decreasing from year to year, drivers under the influence of alcohol remain one of the greatest risks in road traffic. The precise, quick and conclusive proof of alcohol is often the only and last possibility of eliminating risks, preventing danger and guaranteeing the greatest possible degree of safety of our roads.

At the same time, breath-alcohol measurements on individuals are almost always performed under stressful conditions. Law enforcement officers performing the test must be prepared for unpredictable, insecure and sometimes aggressive subjects. At the same time, they are under time pressure, because the traffic has come to a standstill, or too many drivers are passing the road check without being tested.

In situations such as this, a strong personality and an exceptional instrument is a must. Equipment which is easy to use with short reaction times. Equipment which delivers one hundred percent reliable data and at the same time offers the user the highest degree of safety. Equipment such as the newly developed Dräger Alcotest® 6510, which is based on decades of experience and the most modern technology.

**Potential problems when using alcohol measurement equipment**





## The consequent advancement of the Dräger Alcotest 7410 – the Dräger Alcotest 6510.

PREFERRED BY USERS – FEARED BY DRUNK DRIVERS. FOR OVER 50 YEARS PEOPLE HAVE BEEN RELYING IN THEIR DAILY WORK ON BREATH ALCOHOL MEASUREMENT EQUIPMENT BY DRÄGER.



ST-308-2004

### The Classic.

For over 10 years the Alcotest 7410 product family has belonged to the most successful hand-held breath-alcohol measuring equipment in the world.

For the development of a new breath-alcohol measuring device, the experience derived from five generations of measuring equipment as well as the latest technological expertise were definite prerequisites. However, the Dräger Alcotest 6510 was only able to set new standards following the close exchange of information with users around the globe.

As to say, the Dräger Alcotest 6510 is a device made by users for users. Only by the users we can gain invaluable knowledge about requirements, essentials and needs of various departments and applicable laws. It is only by this feedback, that we have obtained precise and detailed information about the size and ergonomics of holding the device in various test situations.

We have learned how to improve the interaction with tested persons so it becomes completely safe and hygienic. As well as the requirements to legibility of the display and intuitive handling, combined with fast reaction times.

Our development team took all the feedback, experience and knowledge to create a unique trend-setting device. Or, to be more precise, the Dräger Alcotest 6510.

# Dräger Alcotest 6510. Better than just new.

**The new one.**

With contemporary design, the most modern technology and numerous innovations, the Dräger Alcotest 6510 is ready for the changing of the guard.



## TECHNICAL INNOVATIONS

Analytical principle	Electrochemical DrägerSensor in 1/4" technology for alcohol analysis
Measurement precision	Standard deviation $\pm 0.008$ mg/L or $\pm 1.7$ % of the measurement value. The higher value applies. Drift: typically $< 0.6$ % of the measurement value/month
READY Time	approx. 6 s
Recovery time	approx. 6 s, at 0 mg/L, depending on ambient temperature
Quick menu	The most important information is available at the touch of a single key
Human interface	All measuring functions can be carried out with one key. Navigation in the menu via 2 menu buttons
Size	approx. 140 mm x 70 mm x 30 mm / 5.5" x 2.8" x 1.2"
Weight	approx. 195 g / 0.5 lbs. incl. batteries

# Dräger Alcotest 6510. Impressive design. Trustworthy technology.

**"Slide'n'click" mouthpiece**  
for fast and safe adaptation,  
even under unfavorable conditions

**Display**  
Fast, clear feedback to the user by  
means of plain-text, back-lit display and  
audible signal.

**Menu buttons**  
Quick access to the last 10 test results  
and simple configuration of the  
equipment by means of scrolling.

**Housing**  
A practical design, made from shock-  
proof materials for simple, intuitive  
operation and reduced danger of infection.

**OK button**  
All measurements are performed by  
pressing one single button.



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## BASIC EQUIPMENT AND ACCESSORIES

Dräger Alcotest 6510

Carrying case with measuring instrument, 3 mouthpieces, hand strap, 2 batteries, brief instructions, full instructions for use

Mouthpiece (slide'n'click)

With saliva trap, each individually packed

Leather pouch

For carrying the Dräger Alcotest 6510 attached to the belt, rotatable, i.e. adapts to the respective body position (standing, sitting); removable by means of rapid-action release (belt pouch remains attached to the belt)

Calibration set

Set for performing regular calibration (adjusting) of the equipment. With this set, the Dräger Alcotest 6510 can be connected with the respective calibration equipment (wet bath calibration or dry gas calibration). Consists of 1 x mouthpiece coupling, 1 x calibration mouthpiece, 0.5 m / 20" tube

One hundred percent safety demands maximum reliability.

THE DRÄGER ALCOTEST 6510 CONTAINS INTERNALLY WHAT IT PROMISES FROM THE OUTSIDE. THANKS TO A NEWLY DEVELOPED MEASURING TECHNIQUE, IT HAS GREATER PRECISION AND RELIABILITY THAN EVER BEFORE.



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**Leather pouch**

Flexible, pivoted belt fastening, single-handed withdrawal of equipment.

More than just the looks, it is the inner values which ensure the progress of the Dräger Alcotest 6510 in comparison to other measuring instruments. With our newly developed fuel cells in 1/4" technology, we have succeeded in noticeably raising the level of measuring precision. The sensor establishes the precise measurement result, even at high alcohol concentrations, and simultaneously excludes cross-sensitivity to other substances. The result is, every time, alcohol-specific and achieves an evidential measurement quality in accordance with NHTSA Guidelines (USA) for professional use.

An optimized design of the analysis unit, with short pneumatic paths and a fast microprocessor, ensures short reaction times and fast display of the measurement result. Hence, road-side testing is not only fast, but also extremely energy-saving. One set of batteries can perform more than 1500 measurements.



STP1704-2003

Remain precise when others look  
the other way.



STP1704-2003

REGARDLESS OF THE INTENDED APPLICATION – POLICE USE, WORKPLACE TESTING OR MEDICAL TESTING, WHETHER FOR PROFESSIONAL OR UNTRAINED USERS – THE DRÄGER ALCOTEST 6510 IS ALWAYS READY WHEN YOU ARE.

The least that you should expect from every breath-alcohol test is an absolutely reliable measurement result. For the safety of both, the person performing the test, and the person being tested, any operator errors or long reaction times are virtually impossible when using the Dräger Alcotest 6510. After taking the sample, you get a conclusive and objective result, which gives you the basis for further actions.

The Dräger Alcotest 6510 is equally simple to use for both right-handed and left-handed persons. Separating the holding area and the mouthpiece permits the breath test to be carried out hygienically, hence significantly reducing the risk of infection.

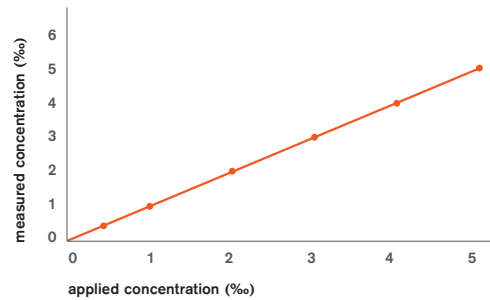
The Dräger Alcotest 6510 may give less pleasure to inebriated people. The design of the mouthpiece, the alcohol-specific sensor and the integrated control mechanisms prevent the deception and manipulation of the test result. If a test person attempts to knock the device out of your hand, he has little chance; firstly, it can be fixed to your wrist with a strap, and secondly it is extremely shock-resistant. Should a subject completely refuse to take the test, you can, on the spot, determine the ethyl alcohol concentration in the exhaled air using the passive sampling technique.



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With the Dräger Alcotest 6510 you retain an overall picture at all times, even in critical situations. The device automatically stores the last ten tests. This memory function is a great advantage when pressed for time, or when sequential readings of a subject have to be compared for disciplinary measures. Should monitoring activities be interrupted, the optimized electronics and short paths utilized in the pneumatic/electronic combination result in very short READY times. As previously mentioned, the Dräger Alcotest 6510 is always ready when you are.

**Linearity Dräger Alcotest 6510**



Laboratory tests confirm the precision of the measurement over a large range of alcohol concentration.

## A reinforcement for every team: the Dräger Alcotest 6510.

A GLOBALLY UNIQUE SOLUTION FOR SAFETY, RELIABILITY AND LONG DURABILITY IS NOTHING SPECIAL FOR US AND IT SHOULD NOT BE FOR YOU EITHER.

Like all of our developments which leave our company, the Dräger Alcotest 6510 must go beyond the expectations of the average breath-alcohol measurement device. The 1/4" technology ensures precise measurement results over a long period of time. The new "Slide'n'click" mouthpiece guarantees safe and fast operation - every time. The easy to navigate menu functions supports you to work simply and intuitively on the spot. Naturally, all reconfigurations and calibrations can be carried out via the device menus. And, as with every develop-

ment of our company, you can also rely on our service team, who are available for all maintenance work, carried out to the usual Dräger standards of quality.

Only if everything has been thought-out in great detail, like we did with the Dräger Alcotest 6510, and you can rely on and trust our product to perform to your expectations, we can call ourselves a really strong team.



ST-312-2003

TRUST IS GOOD, CONTROL IS BETTER.

Tested and found to be superior. The Dräger Alcotest 6510 fulfils not only the required approvals to be valid as an Evidential Breath Testing Devices in accordance with the NHTSA Standard (USA, 49 FR 48854). Furthermore it has passed numerous tests which officially make it a unique alcohol measuring device - worldwide, with flying colors.

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