



## Alcohol and drug detection

Draeger test devices and systems  
for various areas of application



## Securely protecting employees and investment

The consumption of alcohol, illegal drugs and medication at the workplace can have far reaching and lasting consequences. If an employee operates plant whilst under the influence of alcohol he can pose a risk to himself and also to the well being of colleagues. In safety critical areas drug and alcohol misuse can cause serious accidents.

### **Not only the addict is dangerous**

Even somebody who turns up for work under the influence of residual alcohol poses a risk not to be underestimated. A low blood alcohol value or a low dose of THC can be sufficient to impair and reduce the ability to perform correctly.

### **Also legally safe**

Various statutory employment laws, in particular Health and Safety at Work, Transport, and Misuse of Drugs Acts. More recent employer liability laws plays more of an onus on directors and managers not to turn a blind eye to suspected cases of drug misuse by employees, as they themselves could be found to be negligent if they were aware of a member of staff who has an accident at work whilst under the influence of drugs or alcohol. Testing has become a necessary tool to help support and manage drug and alcohol policies effectively.



ST-9596-2008

**Dräger can help you to reduce the risk of substance abuse in your company in the following ways:**

- uncomplicated and discrete proof of alcohol and drugs – for the user and the person to be tested
- fast and clear measuring results
- easy integration with other internal company measures (taking into account employment law constraints)
  
- Alcotest 5510 meets the requirements of the US Coast Guard. It has been approved by NHTSA for use on board of seagoing vessels.

**With these Dräger measuring instruments you play safe at the workplace:**

	Alcotest 3000	Alcotest 5510	Alcotest 6820	Alcotest 6810 med	Alcotest 7510	Alcotest 9510	Interlock 7000	DrugCheck 1200	DrugTest 5000	SSK 5000	Oral fluid lab analysis
Screening during new employee examinations		•	•		•			•	•		•
After accidents		•	•		•			•	•		•
Indicative tests for irregularities, also when substances are found		•	•		•			•	•	•	•
Drug controls independent of suspicion, e.g. random test programme		•	•					•	•		•
Access controls, e.g. in safety-relevant areas		•	•		•		•	•	•		•
Immobilisers controlled by alcohol in the breath in vehicles such as lorries, buses, taxis etc.							•				
Machine and plant locks controlled by alcohol in the breath							•				



## Regular controls can save lives

During your daily work as police or customs officer you are faced with a large variety of situations where drugs and alcohol are used. Driving whilst under the influence of alcohol and other intoxicants are amongst the most frequent causes of accidents.

Effective controls provide you with a firm means to remove a drug or alcohol abuser.

### **Uncomplicated and fast: Drug detection from oral fluid**

It has been scientifically accepted: Oral fluid as a substance for examination provides meaningful information on the current influence of drugs. Dräger offers you drug testing systems based on oral fluid which provide you with certainty in an instance.

**During the following applications drug and alcohol tests will provide a secure test programme:**

- during regular traffic operations
- during targeted controls
- during accident investigations
- during police intervention
- during criminal investigations



ST-278-2008

## This is how Dräger can help you to safely detect alcohol and drugs:

- accurate measuring results in the shortest possible time
- robust design for extreme conditions of use
- decades of experience in the field of measuring technology
- close cooperation with users
- system of perfectly coordinated products

## With these Dräger measuring instruments accuracy is assured for police and customs applications:

	Alcotest 3000	Alcotest 5510	Alcotest 6820	Alcotest 6810 med	Alcotest 7510	Alcotest 9510	Interlock 7000	DrugCheck 1200	DrugTest 5000	SSK 5000 <sup>4</sup>	Oral fluid lab analysis
Used as screeners for driving with excess alcohol.											
Use during regular operations		● <sup>1</sup>	●					●	●	●	
Use during targeted controls			● <sup>1</sup>		●			●	●	●	
Method approved for evidence at court					● <sup>3</sup>	● <sup>3</sup>					● <sup>3</sup>
Detection of alcohol influence during traffic accidents		●	●		●			●	●	●	
Police intervention, in the case of domestic violence, for example (to determine the legal culpability)		●	●					●	●	●	
Criminal police and customs enforcement use (e.g. smuggling)											
Use for individuals		●	●					●	●		
Use to detect substances in unknown liquids and drinks		● <sup>2</sup>	● <sup>2</sup>							●	
Use to examine unknown solid substances or for surface verification										●	
Self-protection due to alcohol or drug induced behaviour and effects (e.g. insensitivity to pain)		●	●					●	●		

<sup>1</sup> Including passive measurement. <sup>2</sup> Passive measurement. <sup>3</sup> Dependent on the relevant national approvals. <sup>4</sup> Use requires DrugCheck or DrugTest 5000.



## Put a lock on unpredictable risks

A prisoner under the influence of drugs or alcohol can quickly become dangerous. Therefore, special precautions are necessary both in open and closed prisons. As an enforcement officer you not only need to protect personnel and inmates but also meet your rehabilitation obligations. Measuring instruments can help you to prevent alcohol and drug abuse and monitor restrictions.

**Here, alcohol and drug measuring instruments can assist you in your daily work:**

- regular random checks, e.g. after a visit or exercise
- monitoring of probation conditions, e.g. for drug-related offences
- in addition to the examination of individuals, also a check of unknown liquids or solid substances, e.g. smuggling control



ST-179-2008

**This is how Dräger can support you in keeping things in check during everyday prison life:**

- manipulation-proof technology
- fast and reliable analysis, proven for decades
- easy and hygienic handling for the user and the person to be tested
- clear result display and documentation

**With these Dräger measuring instruments you play safe within the penal system and detention:**

	Alcotest 3000	Alcotest 5510	Alcotest 6820	Alcotest 6810 med	Alcotest 7510	Alcotest 9510	Interlock 7000	DrugCheck 1200	DrugTest 5000	SSK 5000 <sup>2</sup>	Oral fluid lab analysis
Drug and alcohol control in penal institutions											
In case of indications of alcohol or drugs		•	•		•	•		•	•		•
As proof of suitability for a relaxed regime		•	•		•			•	•		•
Medical drug/alcohol checks, e.g. for substitution treatment				•				•	•		•
For room and access checks (e.g. visitors, exercise)											
Use for individuals		•	•			•	•	•	•		
Use to detect substances in unknown liquids and drinks		• <sup>1</sup>	• <sup>1</sup>							•	
Use to examine unknown solid substances or for surface verification										•	•
Monitoring of probation conditions, e.g. for drug-related offences								•	•		•
Monitoring of probation conditions, e.g. for drink driver programmes							•				

<sup>1</sup> Passive measurement. <sup>2</sup> Use requires DrugCheck or DrugTest 5000.



## A successful diagnosis using a non invasive method

Time and cost pressures rest heavily on the shoulders of doctors and nurses. At the same time you are responsible for the life of each of your patients. However, which treatment is best in each particular case? Only by detecting the state of health accurately and quickly, can you initiate the correct measures.

### **Safe and painless: Measurements without taking blood**

Measuring instruments specifically approved as medical devices help you with a sound diagnosis – without having to take blood. This simple method also ensures a healthy and trusting relationship between you and your patients.

### **Here, medical alcohol and drug measuring instruments assist with accurate results:**

- medical emergencies
- emergency admissions
- substitution and therapy
- ethanol monitoring for interventions in urology (TUR-P) and gynaecology (TCRE)





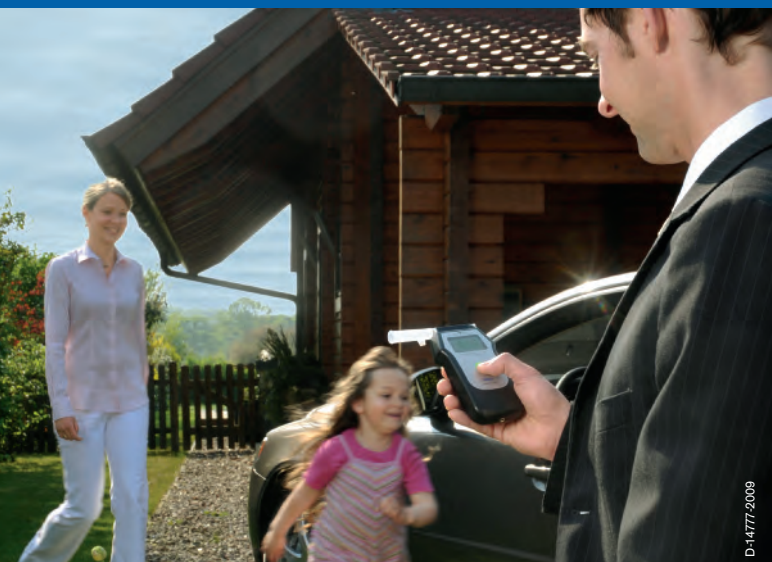
ST-9106-2006

## This is how Dräger can help you towards the speedy recovery of your patient:

- fast, reliable and meaningful analysis results
- easy handling and objective evaluation
- functions tailored for medical applications
- avoidance of manipulations: easy visual control by doctor or medical staff
  
- measurements without blood or urine: meeting the patient on an equal footing.
- the devices meet the following requirements:
  - EU Directive 93/42/EEC for medical devices
  - medical product regulations, incl. the guidelines of the German Federal Medical Association for the quality assurance of qualitative and quantitative medical laboratory examinations

## With these Dräger measuring instruments you play safe in the medical field:

	Alcotest 3000	Alcotest 5510	Alcotest 6820	Alcotest 6810 med	Alcotest 7510	Alcotest 9510	Interlock 7000	DrugCheck 1200	DrugTest 5000	SSK 5000	Oral fluid lab analysis
Observance of rules in social establishments, addiction and rehabilitation clinics (no substitution treatment)		•	•			•		•	•		•
Check on the use of additional substances for substitution treatment, e.g. methadone substitution				•					•		•
Medical emergency use				•				•	•		•
Operations, e.g. transurethral prostate section in urology (TUR-P) or in gynaecology for transcervical resections of the endometrium (TCRE)				•							



## To prevent you becoming immobilised

Do you have a car? This question is increasingly being asked especially during your professional life. Without a car hardly anything functions in our mobile society. Nobody can afford to lose their driving licence any more. In countries where only a low alcohol concentration in the blood is permitted by law, you therefore have to be extremely careful how much alcohol you consume during a party or business dinner. Without doubt driving without alcohol is the best solution. However, if in doubt you can quickly check with a measuring instrument whether you are still below the defined limit after a glass of wine.

**Here you can rely on the clear data of alcohol measuring instruments:**

- during a self-check before starting to drive
- preventing others, especially friends, to drive under the influence



D-14777-2009

## This is how Dräger can help you to correctly assess the impairment by alcohol or drugs:

- professional technology – proven for decades in police use
- accurate measuring results even for low concentrations
- easy and fast handling: all devices can be operated intuitively
- suitable for right-handed and left-handed individuals

## With these Dräger measuring instruments you play safe in your private life:

	Alcotest 3000	Alcotest 5510	Alcotest 6820	Alcotest 6810 med	Alcotest 7510	Alcotest 9510	Interlock 7000	DrugCheck 1200	DrugTest 5000	SSK 5000	Oral fluid lab analysis
Control of compliance with regulations and standards											
Tests to protect the tested person and others; schools, care organisations etc.	•	• <sup>1</sup>					•	•	•	•	•
Access controls, e.g. at sporting events by security personnel etc.	•	• <sup>1</sup>						•	•	•	•
Private individuals for self-test											
persons who come into (professional) contact with alcohol and test themselves; professional drivers, such as taxi drivers, driving instructors etc. Avoidance of the loss of the (professionally required) driving licence	•	•					•				

<sup>1</sup> Including passive measurement.



D-17113-2009

## ALCOHOL BREATHALYSER FOR RESPONSIBLE DRIVERS AND EMPLOYEES

Whether on the road or on company premises. In your profession you are not only responsible for yourself but also for other people. Alcotest 3000 helps you to protect your life and that of others. The device is supplied in a bag which also stores the mouth pieces. This means you can comfortably carry the Alcotest in your jacket pocket – for the fastest self-check and prevention.



D-20363-2010

### Alcotest 3000 is particularly suited for:

- professional drivers
- driving instructors
- taxi drivers
- service representatives
- freelancers
- commuters
- smaller companies

### This is how Alcotest 3000 can protect you and other people:

- rapid readiness for measurement
- precise results thanks to professional measuring technology
- easy and safe handling
- user-friendly design, intuitive operation
- low energy consumption



D-93635-2013

## ALCOHOL BREATHALYSER FOR THE MOST VARIED REQUIREMENTS AT WORK

Whether for use in traffic, for access control at large events or when checking the compliance with alcohol prohibitions: The compact hand-held measuring instrument Alcotest 5510 is ready for operation in the shortest possible time and provides

you with reliable results – here and now. It can be configured for the most varied international regulations and guidelines.



D-58698-2012

### Alcotest 5510 is particularly suited for:

- police
- customs
- penal system and detention
- companies
- security providers

### This is how Alcotest 5510 can support you in your mission:

- easy and safe operation
- fast readiness for measurements and precise analysis
- user-friendly robust design
- optimised user guidance
- data storage for up to ten measuring results
- low energy consumption



## PROFESSIONAL ALCOHOL BREATHALYSER WITH LARGE DATA STORAGE AND PRINTING CAPABILITIES

Secure evidence quickly at hand Alcotest 6820 is easy to operate. Even in the dark you intuitively attach the mouth piece correctly. The device stores the test number, date and time of the last 5000 measurements. These can be recalled individually when required or transferred to the Dräger Mobile Printer and printed.



### Alcotest 6820 is particularly suited for:

- police
- to test other individuals, e.g. employees, as part of a company agreement (e.g. in haulage companies and larger companies)
- penal system and detention

### This is how Alcotest 6820 can support you in your mission:

- configurable for different international regulations and guidelines
- fast readiness for measurements and precise analysis
- optimised user guidance
- data storage for up to 5000 measuring results
- data transfer to the Dräger Mobile Printer or PC
- low energy consumption
- battery charging possible inside the device



## ALCOHOL BREATHALYSER FOR DAILY MEDICAL USE

Clear diagnoses without taking blood: Alcotest 6810 med was specifically developed for medical use and has been approved as a medical device in accordance with EU Directive 93/42/EEC. It provides you with reliable and fast measurements, e.g. during emergency admission, for the control of additional substances in

methadone substitution or for ethanol monitoring during endoscopic intervention both in urology and in gynaecology.



**Alcotest 6810 med is suited for for all medical areas, in particular:**

- medical emergencies
- hospitals and surgeries
- substitution clinics

**This is how Alcotest 6810 med can support you in your daily work:**

- high quality and reliability
- rapid readiness for measurement
- easy and safe handling
- hygienic use (exclusion of any kind of microbial contamination)
- tests possible with very low breath volumes and also without active cooperation
- passive measurement with concentration indication
- data storage for up to 2000 measuring results
- data transfer to the Dräger Mobile Printer or PC



## ROBUST ALCOHOL BREATHALYSER FOR THE MOST VARIED AREAS OF APPLICATION

Whether you carry out a measurement in dazzling sunlight, at icy temperatures of  $-10\text{ }^{\circ}\text{C}$ , in  $50\text{ }^{\circ}\text{C}$  heat or with varying ambient pressure: Alcotest 7510 displays clear test results for you. The high quality hand-held measuring device corresponds to OIML R126 and can therefore be used as evidence in court – dependent on the authority or market-specific specifications. Due to a novel sampling method residual alcohol in the mouth can be detected and displayed during the breathalyser test.



**Alcotest 7510 is particularly suited for:**

- Police
- Commerce
- Industry

**This is how Alcotest 7510 can support you in your mission even under extreme conditions:**

- robust, splash-water protected housing with slip-proof rubberised surface
- clearly legible display under all light conditions
- integrated heating element to prevent condensation
- high flexibility through add-on modules (e.g. GPS or absolute pressure sensor for automatic adaptation to the respective ambient pressure during calibration with dry gas)
- lithium ion batteries (optional) allow numerous consecutive measurements
- various attachment and charging options





## INSTALLATION IN VEHICLES: BREATH ALCOHOL MEASURING DEVICE WITH VEHICLE IMMOBILIZER

As soon as the driver turns the ignition on, the Interlock 7000 requires a breath test. If an alcohol concentration above the pre-set level is detected, it prevents the motor from starting. The Interlock 7000 helps to reduce alcohol-related accident risks and to stop driving under the influence of alcohol.



### The Interlock 7000 is particularly used in:

- vehicles for passenger and goods transportation
- industrial vehicles (e.g. forklifts, cranes)
- offender programs

### Your advantages at a glance:

- extremely short warm-up and ready for use in less than four seconds
- reliable results in any ambient temperature from -45°C to 85°C
- easy-to-understand menu navigation
- hygienic and environmentally friendly mouthpiece concept
- power consumption of < 1 mA when not in use
- data readout possible via Bluetooth
- can be equipped with a camera or a GPRS module



## MOBILE ALCOHOL BREATHALYSER WITH INTEGRATED REPORT PRINTER

Alcotest 9510 provides you with measuring technology and a report printer in a single device. You can enter personal data directly into the device either via touch screen or an external keyboard and print them together with the result. Alcotest 9510 guarantees a fail-safe alcohol measurement as required for court proceedings. Via RS-232, modem or Ethernet the measuring instrument can be comfortably connected to with other devices.



### Alcotest 9510 is particularly suited for:

- mobile use in police cars
- stationary use at police stations and command centres

### This is how Alcotest 9510 can support you in your work:

- measuring instrument to provide evidence for court proceedings
- reliable infrared optical sensor in the range of 9.5  $\mu\text{m}$ , additional EC sensor optional
- robust housing
- fast and energy-saving printer
- external keyboard
- large touch screen for intuitive operation
- detection of residual alcohol in the mouth
- easy connection to other devices - via RS-232, modem or Ethernet



ST-16845-2008

## TEST KIT FOR ANALYSING OF ORAL FLUID SAMPLES

The DrugCheck is able to detect cocaine, amphetamines, opiates, cannabis and other illicit drugs at any time and place. Detect the influence of illicit drugs with the oral-fluid-test kit. The test can be conducted directly out of the box without any further tools needed.



D-10639-2011

### DrugCheck is particularly suited for:

- examinations at the workplace
- police missions if  
DrugTest 5000 is not applicable

### This is how DrugCheck can support you in detecting illegal drugs:

- qualitative detection up to eight substances in oral fluid
- easy handling
- high measuring sensitivity
- sample analysis directly on location



ST-12047-2008

## TEST SYSTEM WITH INTEGRATED STORAGE: COLLECT, ANALYSE AND MANAGE

DrugTest 5000 is a test kit and analysis system in one. With this test system you can easily and quickly collect oral fluid samples, examine them within a few minutes, read them with certainty and then comfortably manage the data. The integrated storage holds up to 500 individual measuring results.



D-4814-2014

### DrugTest 5000 is particularly suited for:

- police and customs
- substitution clinics
- industry and commerce
- penal system and detention
- surface and materials analysis  
in conjunction with SSK 5000

### This is how DrugTest 5000 can support you in detecting illegal drugs:

- hygienic and very easy handling
- simultaneous qualitative detection of the most common drugs and substance classes within a few minutes
- reliable measuring results without interpretation tolerances
- extremely low detection limit for THC as the main active ingredient of cannabis
- colour indicator indicates the end of sampling
- illuminated, easy-to-read display shows results in plain text
- entry and storage of up to 500 measurements
- data transfer to the Dräger Mobile Printer or PC



ST-14093-2007

## SAMPLER FOR RELIABLE RETENTION OF EVIDENCE

### **DCD 5000 for oral fluid samples**

You do not require a direct indication of results? With the DCD 5000 you can collect oral fluid samples and send them for further analysis, e.g. to the Dräger analysis service. An indicator is integrated into the collector. It indicates when

the sample volume is sufficient. In the laboratory the sample can be prepared with ease and analysed with the usual laboratory methods (e.g. GC-MS, LC-MS) for a wide range of drugs and medication.

### **SSK 5000 for surface and substance samples**

Unknown powder? Banknote with white adhesion? SSK 5000 informs you within a few minutes whether drugs are present on surfaces or in mixed substances. A swab is integrated into the closure. You use it to simply wipe over the suspect surface or substance. You can then analyse the sample on location using the DrugTest 5000 or DrugCheck, or send it for further analysis to the laboratory – for example the Dräger analysis service.

**The samplers DCD 5000 and SSK 5000 are particularly suited for:**

- customs and police
- penal system and detention
- industry and commerce

A close-up photograph of a person's eye, showing the blue iris and dark eyelashes. The eye is looking slightly to the right. The text "Dazzled or drugs?" is overlaid on the image in a white serif font.

Dazzled or  
drugs?

# Alcohol and drug detection



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