

Benefits

Reliable prevention of driving under the influence of alcohol

An Interlock 7000 is a car breathalyzer, which can be used preventively in public transportation, freight transport and at workplace to reduce the risk of drink-driving. The Interlock 7000 is also used in many countries for legal measures, as part of the “drink-driving offender programs (DUI/DWI)”. In these countries, offenders who were caught with a blood alcohol level over a certain limit have to use an Interlock device in their cars. Reliable results, tamper-proof data recording and data management play a key role in these programs.

How the Interlock 7000 works

The Interlock 7000 consists of two components: handset and control unit. In the handset the breath sample is analysed. The control unit releases or blocks the starter relay of the vehicle. Once the vehicle’s ignition is switched on, the Interlock 7000 requests a breath test from the driver. If the device detects an alcohol value (BrAC) above the set limit, it prevents the engine from being started. The device helps to systematically eliminate alcohol-related risks of accidents and to prevent impaired driving.

Quick operational readiness

Particular features of the Interlock 7000 are the extremely short warm-up and its quick readiness for use. At temperatures of more than 0 °C it is ready for immediate use. At temperatures below 0 °C the ignition interlock is still quickly ready for use. With an approved temperature range of -40 °C to 85 °C, it ensures that the device works reliably under all kinds of ambient conditions.

Easy operation of the alcohol interlock

The design of the Interlock 7000 is appealing and ergonomic, with the mouthpiece on the back of the handset – hence, not easily recognised as an alcohol ignition interlock device. The hygienic mouthpieces of the Interlock 7000 are completely biodegradable. The breath sample can be given in no time. The navigation on the colour display makes the use of this device easy and intuitive. Additionally, coloured LEDs on the device enhance the ease of use for the user.

Safe data handling

The data log of the Interlock 7000 saves all relevant events such as date, time, submission or refusal to submit an alcohol test, measured alcohol concentration, engine starts and stops and any attempts to tamper with the interlock device. The data is transferred from the control unit to the PC via an infrared interface or via Bluetooth®. Downloaded data is available to authorised persons only. From creation to provision of the data special encryption methods guarantee data protection.

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Mobile data transfer module

If the Interlock 7000 is equipped with an additional mobile data transfer module, it is possible for certain predefined events to transmit data automatically to the responsible entity or person via a cellular network. This event can, for example, be an attempt to start the engine under the influence of alcohol.

Camera

The Dräger Interlock 7000 can be equipped with a camera for applications where it is a legal requirement or for special customer requirements. The camera records the submitted breath samples with images. It can be easily installed in each vehicle. The infrared technology ensures good image quality, regardless of whether it is day or night.

Reliable measurement technology

The Interlock 7000 specifically measures alcohol. The measuring result is reliable and precise. Also, attempts to bypass or manipulate the device are reliably identified and stored in the system. The device is able to identify whether the alcohol detected in the breath sample is actual breath alcohol or only mouth alcohol.

Proven Dräger technology

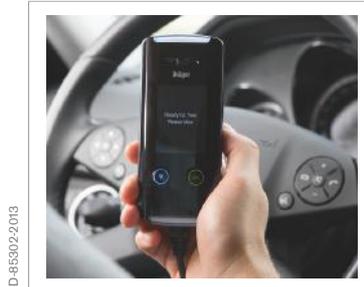
With more than 60 years of experience, Dräger is world market leader in breath alcohol measurement. The Alcotest product family is used by police authorities in many countries for traffic control. The Interlock 7000 uses the proven sensor technology of the Alcotest. Alcohol ignition interlocks by Dräger have been successfully established for more than two decades.

Details



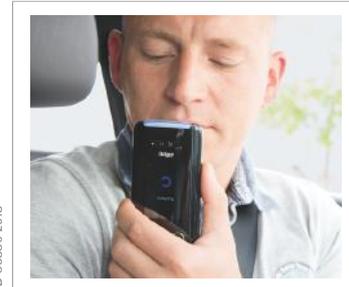
D-85333-2013

1. Switch on ignition



D-85302-2013

2. Request to provide a breath sample



D-85336-2013

3. Measurement of breath alcohol concentration



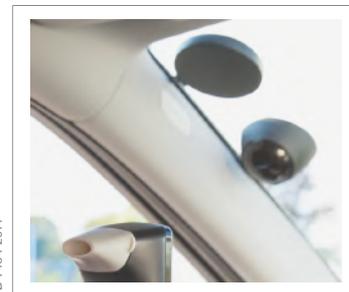
D-85338-2013

4. Breath sample accepted: Starter is released



D-85338-2013

5. Start the engine



D-7454-2014

6. Camera used in offender programs (if required).

Accessories



D-13886-2017

Mouthpieces

The hygienic mouthpieces of the Interlock® 7000 are completely biodegradable.

Accessories



Holders

Different holders to mount the handset in the driver's compartment.



Handset Protector

Rubber band for additional protection of the display.



Dräger Interlock® 7000 camera

The camera is fully integrated into the Interlock® 7000 and documents the submitted breath samples with pictures.



Dräger Interlock® 7000 module for mobile data transfer with antenna

If the module for mobile data transfer is legally required in the legislated Alcohol Interlock® Program it can transfer data automatically to the responsible authority.

Related Products



D-81942-2013

Dräger Interlock® 5000

The Dräger Interlock® 5000 is an alcohol measuring instrument with vehicle immobiliser. After a simple breath alcohol measurement it ensures a safe start in road traffic. The alcohol interlock measures the alcohol concentration in the breath of the driver and releases the engine only if the breath test was passed.



D-45484-2015

Dräger Alcotest® 3820

The breathalyser Dräger Alcotest® 3820 offers responsible drivers a reliable way to test their breath alcohol and gives them the assurance of being legal to drive. This is ensured by precise measurement technology identical to that used by the police: over 30 million breath alcohol tests a year.



D-45404-2015

Dräger Alcotest® 5820

The Dräger Alcotest® 5820 allows the professional user to perform a breath alcohol test with speed and precision. The measuring technology of this small and user-friendly portable measuring device has already been proven in over 200,000 units in use worldwide.



D-74696-2013

Dräger Alcotest® 6820

The fast and compact Dräger Alcotest® 6820 alcohol detection device meets the stringent requirements of professional breath-alcohol analysis. With its tried-and-tested DrägerSensor, this robust alcohol tester guarantees very rapid response times and precise test results in all weather conditions and can also be adapted to international guidelines.

Technical Data

Measuring principle	Electrochemical sensor
Ambient conditions for operation	Temperature -40 °C to 85 °C
Readiness for use	<5 sec. (above 0 °C) <60 sec. (at -20 °C) <110 sec. (at -40 °C)
Display	Graphic colour display in handset with full text messages
Calibration interval	typically 12 months
Data logger	in the control unit, for up to 500,000 events
Dimensions (H x W x D)	Handset approx. 138 mm x 61 mm x 36 mm Control unit approx. 148 mm x 90 mm x 32 mm
Weight	Handset approx. 178 g Control unit approx. 240 g
Power supply	12 V to 24 V
Switch relay for the starter relay line	<16 A continuous, <40 A peak, output relay may switch up to 48 V
Power consumption	<2,5 A maximum, <1 mA stand-by
Approvals	General German Operating Permission (Allgemeine Betriebserlaubnis Deutschland); EN 50436-1:2014, EN 50436-2:2014, EN 50436-6:2015, E1 mark, ECE Regulation No. 10, NHTSA:2013, AS 3547 Type 4, CSA Z627-16, CSTTHVC-TR- 114
Data transfer	Infrared interface, Bluetooth®

Ordering Information

Dräger Interlock® 7000 Breath alcohol-controlled vehicle immobiliser (handset and control unit) for installation in motor vehicles, mouthpieces (3 pieces)	83 22 570
Dräger Interlock® 7000 GPRS module	83 22 534
Dräger Interlock® 7000 LTE module	83 27 080
Dräger Interlock® 7000 camera	83 22 413
Mouthpieces (5 pieces), individually packed	83 26 550
Mouthpieces (50 pieces), individually packed	83 27 627
Mouthpieces (300 pieces), individually packed	83 22 597
Handset Protector	83 22 458
Protective foil, handset	83 22 457
Handset Holder I	83 22 497
Handset Holder II	83 22 610

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