Dräger Interlock® 7500
Alcohol Ignition Interlock Device

The Dräger Interlock® 7500 is an alcohol ignition interlock device which prevents a person under the influence of alcohol from starting the vehicle. The Interlock® 7500 has a quick start-up time. Additionally, the device can be equipped with a camera, a GPS and/or a mobile data transfer module, according to the specific customer requirements.

Dräger. Technology for Life®

Benefits

Reliable prevention of driving under the influence of alcohol

An Interlock 7500 is an in-vehicle breathalyzer, which can be used preventively in public transportation, freight transport and at workplace to reduce the risk of drink-driving. The Interlock 7500 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 7500 works

The Interlock 7500 consists of two components: handset and control box. In the handset the breath sample is analysed. The control box releases the start of the vehicle. Once the vehicle’s ignition is switched on, the Interlock 7500 requests a breath test from the driver. If the device detects an alcohol value (BrAC) above the set limit, it prevents the vehicle 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 7500 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 7500 is appealing and ergonomic and 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 7500 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 7500 saves all relevant events such as date, time, submission or refusal to submit an alcohol test, measured alcohol concentration, vehicle starts and stops and any attempts to tamper with the interlock device. Downloaded data is available to authorised persons only. From creation to distribution of the data special encryption methods guarantee data protection.

Benefits

Mobile data transfer module

If the Interlock 7500 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 vehicle under the influence of alcohol.

Vehicle fleets can use the mobile data transfer module to integrate the Dräger Interlock 7500 via an interface into an already excisting fleet management system or to realize a system-independent solution along with the mobile data transfer module.

Camera

The Dräger Interlock 7500 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 7500 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 65 years of experience, Dräger is a world market leader in breath alcohol measurement. The Alcotest product family is used by police authorities in many countries for traffic control. The Interlock 7500 uses the proven sensor technology of the Alcotest. Alcohol ignition interlocks by Dräger have been successfully established for more than 25 years.

Details

D-85333-2013

1. Switch on ignition

D-36293-2021

2. Request to provide a breath sample

D-36297-2021

3. Measurement of breath alcohol concentration

D-36299-2021

4. Breath sample accepted: Starter is enabled

D-36303-2021

5. Drive Safely

D-7454-2014

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

Accessories

D-13888-2017

Mouthpieces

The hygienic mouthpieces of the Interlock® 7500 are completely biodegradable.

Accessories

D-1250-2014

Holders

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

D-9875I-2013

Dräger Interlock® 7500 camera

The camera is fully integrated into the Interlock® 7500 and documents the submitted breath samples with pictures.

D-7369-2016

Dräger Interlock® 7500 module for mobile data transfer with antenna

If the module for mobile data transfer is legally required in offender programs, it can transfer data automatically to the responsible authority.

In preventive use, e.g. for vehicle fleets, it can be used for data transmission to a fleet management system.

Related Products

D-31850-2020

Dräger Alcotest® 4000

The breathalyser Dräger Alcotest® 4000 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-32068-2020

Dräger Alcotest® 6000

The Dräger Alcotest® 6000 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 worldwide and has been sold over 1,000,000 times.

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 box, for up to 200,000 events
Dimensions (H x W x D)	Handset approx. 138 mm x 61 mm x 36 mm Control box approx. 148 mm x 90 mm x 32 mm
Weight	Handset approx. 178 g Control box 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
Data transfer	PC interface

Ordering Information

Dräger Interlock® 7500 Breath alcohol-controlled vehicle immobiliser (handset and control box) for installation in motor vehicles, mouthpieces (3 pieces)	37 16 814
Dräger Interlock® 7500 GPRS module	83 22 534
Dräger Interlock® 7500 LTE module	83 27 080
Dräger Interlock® 7500 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 Holder I	83 22 497
Handset Holder II	83 22 610

Notes

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