Dräger Interlock® 5000
Alcohol Ignition Interlock Device

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.

Dräger. Technology for Life®

Benefits

The Interlock concept

The Interlock 5000 consists of two components – the breath alcohol measuring device and the control unit. Before the engine starts the device requests the driver to give a breath sample. The measuring result of the breath alcohol concentration determines whether the control unit releases the starter of the vehicle and the engine can be started.

Safety and reliability

The Interlock 5000 is E1-marked and complies with all requirements of the European standard EN 50436-2, which serves as reference especially for the preventive use of alcohol interlocks in many countries worldwide. The alcohol interlock helps to protect staff, passengers, and goods reliably from the risks of drink-driving. It also protects from the risks resulting from the influence of residual alcohol. The Interlock 5000 increases safety for the company and helps to prevent personal injury or damage to property caused by alcohol consumption.

Operation and design

The design of the Interlock 5000 is appealing and ergonomic. Operation is supported by a large display and therefore simple and intuitive. The mouthpiece is attached to the back of the handset. The Interlock 5000 is thus not immediately recognisable as alcohol ignition interlock. The mouthpiece can easily be replaced, and is hygienic and biodegradable.

Power consumption and operational readiness

The Interlock 5000 operates economically, in stand-by mode the power consumption is below 1 mA. Also while driving the device is very economic. This ensures that the operational readiness of the vehicle is not compromised at any time. The device is reliable and quickly ready for use in a temperature range of -45 °C to 85 °C. It is quickly ready for operation no matter if in cold winter or in the blazing sun. We recommend that the device be calibrated and serviced every 12 months.

Alcohol measurement and manipulation detection

The electrochemical sensor of the Interlock 5000 specifically measures alcohol, which ensures that other exhaled substances do not distort the measurement results. This precise sensor technology is also used in breath alcohol measuring devices used by the police. The Interlock 5000 detects and documents manipulation attempts.

Data storage and data protection

The device stores all relevant data in the control unit. These include, for example: submission of a breath sample or refusal to submit a breath sample, measured alcohol concentration, engine starts and stops as well as possible manipulation attempts. The data can be downloaded via an infrared interface and then be analysed.

Benefits

The data is protected with special encryption methods. They can only be downloaded and analysed with certain access rights, special software and the respective hardware.

Reliability all along the way

For more than 60 years Dräger is a recognised reference for breath alcohol measurements in the police market. In the field of alcohol-sensitive vehicle immobilisers Dräger can look back on 20 years of experience. This know-how together with the proven measuring technology makes the Interlock 5000 a reliable and manipulation-safe solution for a safe trip.

Accessories

D-74100-2013

Mouthpieces

The hygienic mouthpieces of the Interlock 5000 are completely biodegradable.

D-1250-2014

Holders

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

Related Products

D-98730-2013

Dräger Interlock® 7000

The Dräger Interlock® 7000 is an alcohol ignition interlock device which prevents a person under the influence of alcohol from starting the vehicle. The Interlock® 7000 has a quick start-up time. Additionally, the device can be equipped with a camera and/or a GPRS module, according to the specific customer requirements.

D-45484-2015

Dräger Alcotest® 3820

The 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 proven in over 200,000 units in use worldwide today.

D-74696-2013

Dräger Alcotest® 6820

Keeping the roads safe and free of impaired drivers is an unpredictable and high stress job. Dräger designed the Alcotest® 6820 handheld breathalyzer specifically for the needs of law enforcement officers. It's easy to use and provides fast, reliable results in the toughest environments you face when every second matters.

Related Products

ST-15093-2008

Dräger Alcotest® 7510

This compact and robust handheld breath alcohol measuring device is especially designed for advanced screening applications. Ideal for use by police, commerce and industry as an alcohol screening device. The Alcotest® 7510 can in many countries and markets be used as an evidential device.

D-43786-2015

Dräger Alcotest® 9510

The Dräger Alcotest® 9510 is an advanced breath alcohol measuring instrument for evidential applications. It is designed to comply with national and international requirements and regulations (OIML R 126). With dual sensor technology, intuitive color touch screen interface, and modern design the Alcotest® 9510 sets superior standards.

D-42702-2015

Dräger DrugCheck® 3000

Use the Dräger DrugCheck® 3000 to find out within minutes if a person recently consumed certain drugs. The compact and quick oral fluid based drug test yields reliable results affordably and easily. The device does not require electricity and can be used anywhere.

D-54720-2012

Dräger DrugTest® 5000

No pipetting, no drips, no timing: Collecting an oral fluid sample is quick and easy with the Dräger DrugTest® 5000. The collected sample can then be analysed immediately for accurate results on the spot.

Technical Data

Measuring principle	Electrochemical sensor
Ambient conditions for operation	Temperature -45 °C to 85 °C
Readiness for use	15 seconds (starting at 0 °C) < 60 seconds (at -20 °C) < 115 seconds (at -45 °C)
Display	LC display in the handset with full text messages
Calibration interval	typically 12 months
Data logger	in the control unit, for up to 30,000 events
Dimensions (H × W × 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. 168 g; Control unit approx. 300 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 A maximum, < 1 mA stand-by
Approvals	General German Operating Permission (Allgemeine Betriebserlaubnis Deutschland); EN 50436-2:2014, E1 mark, ECE Regulation No. 10, and Directive (EC) No. 661/2009 (with last applicable amendment)
Data transfer	Infrared interface

Ordering Information

Dräger Interlock® 5000 Breath alcohol-controlled vehicle immobiliser (handset and control unit) for installation in motor vehicles, mouthpieces (3 pieces)	83 22 550
Mouthpieces (5 pieces), individually packed	83 26 550
Mouthpieces (300 pieces), individually packed	83 22 597
Handset Holder I	83 22 497
Handset Holder II	83 22 610

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