

Dräger Interlock® 7000

The Dräger Interlock® 7000 is an alcohol ignition interlock device. After a breath alcohol measurement it prevents an drunk driver from starting the vehicle. The Interlock® 7000 is very quickly ready for use. Additionally, the device can be equipped with a camera and/or a GPRS module, according to the specific customer requirements.



EASY OPERATION

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 sample from the driver. If the device detects an alcohol value above the set limit value it reliably prevents the engine from being started. The device helps to systematically eliminate alcohol-related risks of accidents and to stop drunk 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 use immediately. At temperatures below 0 °C the Interlock 7000 is still quickly ready for use. With an approved temperature range of - 45 °C to 85 °C it is ensured that the device works properly under all kinds of ambient conditions.

MODERN DESIGN

The design of the Interlock 7000 is appealing and ergonomic, with the mouthpiece on the back of the handset. It is thus not immediately recognisable as alcohol ignition interlock in the vehicle. The hygienic mouthpieces of the Interlock 7000 are completely biodegradable. The breath sample can be given in no time. The easy-to-understand menu navigation on the colour display makes the use of this device easy and intuitive. Additionally, coloured LEDs on the device support the process.

SAFE DATA HANDLING

The data log of the Interlock 7000 saves all relevant events such as date, time, submission or refusal to submit a breath sample, measured alcohol concentration, engine starts and stops and also potential attempts to manipulate the device. The data is transferred from the control unit to the PC via an infrared interface or via Bluetooth. After downloading the data they are available for authorised persons. From creation to provision of the data special encryption methods guarantee data protection.



Interlock® 7000 handset



Interlock® 7000 camera



Interlock® 7000 GPRS module

GPRS MODULE

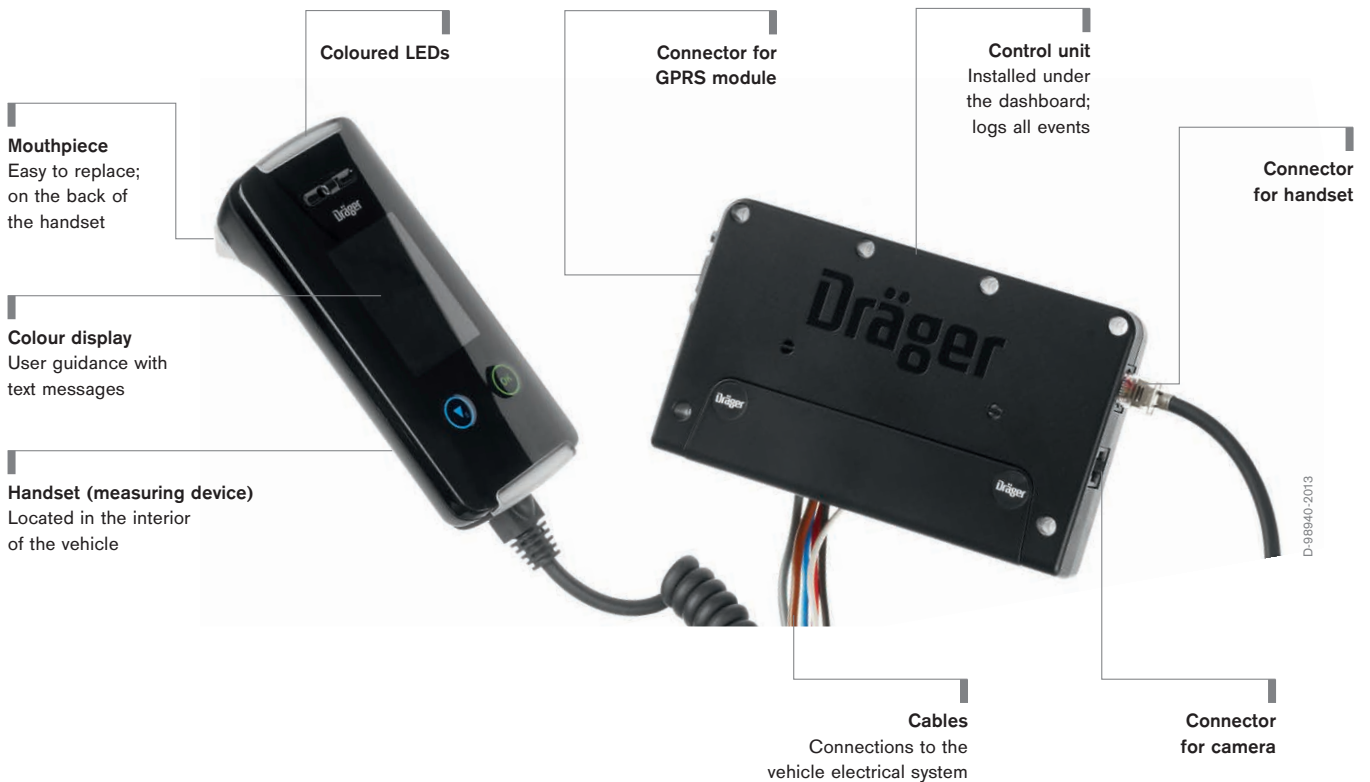
If the Interlock 7000 is equipped with an additional GPRS module it is possible for certain predefined events to transmit data automatically to the responsible entity or person via the GPRS module. This event can, for example, be an attempt to start the engine under the influence of alcohol.

CAMERA

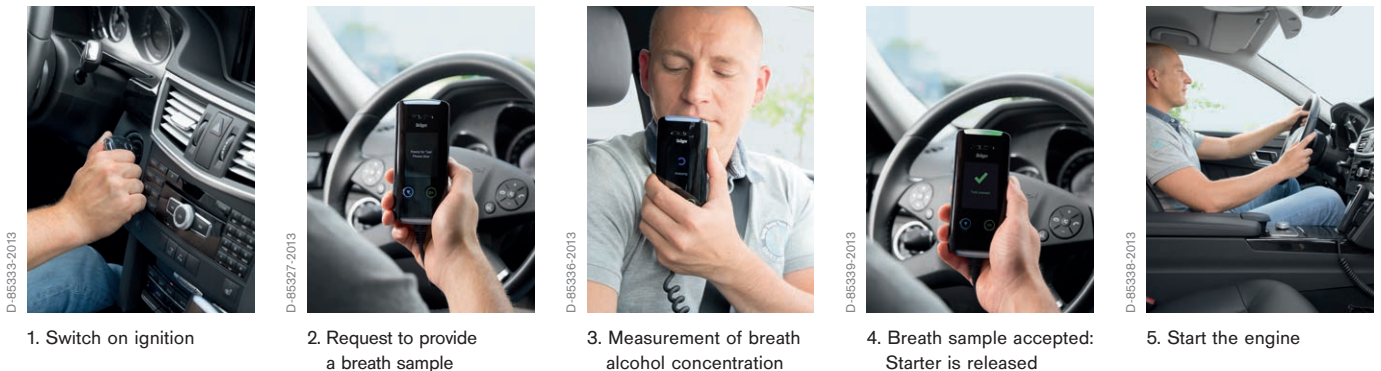
The camera is fully integrated into the Interlock 7000 and documents the submitted breath samples with pictures. If necessary, it can be easily installed in each vehicle. The infrared technology ensures good image quality, no matter if day or night.

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.



HOW IT WORKS



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 successfully established for more than two decades.



Use in the bus



Use in the car



Use in the lorry

TECHNICAL DATA

Measuring principle	Electrochemical sensor
Ambient conditions for operation	Temperature - 45 °C to 85 °C
Readiness for use	< 4 sec. (above 0 °C) < 60 sec. (at - 20 °C) < 110 sec. (at - 45 °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 × W × D)	Handset approx. 138 mm × 61 mm × 36 mm Control unit approx. 148 mm × 90 mm × 32 mm
Weight	Handset approx. 178 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 550436-1:2013, EN 50436-2:2013, E1 mark, ECE Regulation No. 10, and Directive (EC) No. 661/2009 (with last applicable amendment)
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), holder, and mounting accessories	83 22 570
Dräger Interlock® 7000 GPRS module	83 22 534
Dräger Interlock® 7000 camera	83 22 413
Mouthpieces (5 pieces), individually packed	83 22 446
Mouthpieces (300 pieces), individually packed	83 22 597

CORPORATE HEADQUARTERS

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