

Dräger Interlock[®] XT Alcohol Screening Device with Immobilizer

The Dräger Interlock[®] XT is a breath-alcohol measuring instrument with a vehicle immobilizer. After taking a breath alcohol measurement, it prohibits a driver who has consumed alcohol from starting the motor. By installing a Dräger Interlock[®] XT, you can avoid accidents caused by alcohol consumption. Additionally, long-term changes in the drinking attitude may be an added benefit.



Benefits

Components

The Dräger Interlock XT comprises two main components: the breath-alcohol measuring instrument with the measuring system, which is situated inside the vehicle, and the control unit which is generally installed under the dashboard and allows or prevents current being supplied to the vehicle's starter system.

Operation

When the ignition is switched on, the Dräger Interlock XT requests a breath sample from the driver. The result of the breath-alcohol concentration measurement determines whether the vehicle's starter is released and the engine can be started.

Application

Car drivers find long waits after switching on the ignition particularly annoying. Therefore, during development of the Dräger Interlock XT, particular attention was paid to ensuring that the instrument would be ready for use quickly.

Because the Dräger Interlock XT even works perfectly at -45 °C (during the Scandinavian winter, for example) and at 85 °C (in blazing sunlight, for example), it was given the name "XT", for "eXtended Temperature".

Measuring technique

The Dräger Interlock XT determines the breath alcohol concentration by means of an electrochemical sensor system, as it is used also in breath-alcohol measuring instruments of police authorities. It reacts with high specificity to alcohol. As a result, other exhaled substances do not distort the measurement result.

Data storage

While the vehicle is in use, all relevant events are recorded in the Dräger Interlock XT's data log: date, time, submission of or refusal to submit a breath sample, measured alcohol concentration, engine starts and stops, electrical bypassing of the Interlock and any other attempts to tamper with the device. The data can be downloaded and compiled in a data record.

Manipulation

The use of auxiliary means to circumvent the Dräger Interlock XT, as for example an air pump, is reliably detected and starting the motor is prevented.

Benefits

Breath alcohol measurement

Dräger is world market leader in breath alcohol measurement. The Alcotest® family of products is the most successful breath alcohol measuring instrument world-wide. The well known Alcotest tube with the sample bag is probably the oldest method of obtaining proof of alcohol consumption. Today, most alcohol detection devices are electronic. They are used on all five continents for traffic safety by police authorities, for workplace alcohol testing, as well as aiding in the diagnosis of medical patients.

Dräger's long term experience and time proven measuring technique establishes the basis of the Dräger Interlock XT.

Accessories



Mouthpieces

Mouthpieces in packs of 5, 50 and 300, with or without non-return valve



Mouthpiece cap

Easily exchangeable cap for frequent driver change.

Accessories



ST-14334-2008

Curly cord

Curly Cord to connect the hand and the control unit, with lengths of 1.5 m and 6m.



ST-14338-2008

Holder

Holder 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. After a breath alcohol measurement it prevents a 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.

Related Products

D-74896-2013



Dräger Alcotest® 6820

Dräger Alcotest® 6820 is the logical successor to the successful Alcotest® 6810. The compact hand-held measuring instrument Alcotest® is quickly ready for use and is adaptable to international guidelines. With an even more sturdy enclosure and the proven Dräger sensor, Alcotest® 6820 is a reliable partner for breath alcohol analyses.

ST-15093-2008



Dräger Alcotest® 7510

The Dräger Alcotest® 7510 is a compact and robust handheld breath alcohol measuring instrument, especially designed for advanced screening applications. Ideal for use by police as well as in commerce and industry as an alcohol screening device, it can also be used for evidential testing purposes, subject to relevant local and market sector approvals.

D-234-2010



Dräger Alcotest® 6810

The Dräger Alcotest® 6810 offers professional users precise and quick breath alcohol analysis in a user-friendly and compact form. Thanks to its wide range of possible configurations, the handheld instrument can be easily adapted to meet different international regulations and guidelines.

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.

Related Products



ST-13216-2007

Dräger DCD 5000

Simple, fast and secure detection of intoxicants and drugs: The Dräger DCD 5000 does not only enable an easy collection of saliva, you can also store the samples and send them to the laboratory for analysis – without the sample being falsified along the way.

Technical Data

Measuring principle	Electrochemical sensor	
Ambient conditions for operation	Temperature	-45 to 85 °C (-49 °F to 185 °F)
Ready for test	< 20 sec. (above 20 °C / 68 °F) < 3 min. (at -40 °C / -40 °F)	
Display	graphic LC-display in the handset with full text messages	
Calibration interval	typically 12 months	
Data memory	in control unit, for more than 30.000 events	
Dimensions (H x W x D)	Handset	approx. 150 mm x 70 mm x 40 mm
	Control unit	approx. 115 mm x 105 mm x 40 mm
Weight	Handset	approx. 175 g
	Control unit	approx. 320 g
Voltage supply	12 to 24 V; Starter relay may switch up to 48 V	
Relay for the lead starter relay	< 16 A, continuous; < 40 A, peak	
Current consumption	< 2 A; maximum; < 20 mA; stand-by	
Approvals	General German Operating Permission (Allgemeine Betriebserlaubnis) EN 50436-1: 2005, EN 50436-2: 2007 e-Mark (EU Directive 72/245/EEC with last applicable amendment)	

Ordering Information

Dräger Interlock® XT	83 19 600
Breath alcohol controlled vehicle immobilizer (handset and control unit) for installation in motor vehicles, mouthpieces (5 pieces) and mounting accessories	
Mouthpieces with non-return valve (5 pieces) separately packed	68 10 478
Mouthpieces with non-return valve (300 pieces) separately packed	68 11 325
Mouthpieces without non-return valve (50 pieces) separately packed	68 12 288
Mouthpieces without non-return valve (300 pieces) separately packed	68 11 815
Mouthpiece caps (1000 pieces) per 20 pieces in bag	68 11 483

Notes

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

Manufacturer:

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany

REGION EUROPE CENTRAL AND EUROPE NORTH

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH

Dräger Safety France SAS
25, rue Georges Besse
92182 Antony Cedex
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
europe.south@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA PACIFIC

Draeger Safety Asia Pte Ltd
25 International Business Park
#04-20/21 German Centre
Singapore 609916
Tel +65 6308 9400
Fax +65 6308 9401
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377 9100
Fax +507 377 9130
contactcsa@draeger.com

Locate your Regional
Sales Representative at:
www.draeger.com/contact

