

Alcohol interlocks - Test methods and performance requirements Part 1: Part 1: Instruments for drink-driving-offender programs

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50436-1:2005 sisaldab Euroopa standardi EN 50436-1:2005 ingliskeelset teksti. Käesolev dokument on jõustatud 19.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 50436-1:2005 consists of the English text of the European standard EN 50436-1:2005. This document is endorsed on 19.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This European Standard specifies test methods and performance requirements for breath alcohol controlled alcohol interlocks.	Scope: This European Standard specifies test methods and performance requirements for breath alcohol controlled alcohol interlocks.
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ICS 13.320, 43.040.10

Võtmesõnad:

**Alcohol interlocks –
Test methods and performance requirements
Part 1: Part 1: Instruments for
drink-driving-offender programs**

Alcohol interlocks –
Méthodes d'essais et exigences
de performance
Partie 1: Appareils pour des programmes
pour conducteurs en état d'ivresse

Alkohol-Interlocks –
Prüfverfahren und Anforderungen
an das Betriebsverhalten
Teil 1: Geräte für Programme
mit Trunkenheitsfahrern

This European Standard was approved by CENELEC on 2005-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard has been prepared by the CENELEC BTTF 116-2, Alcohol interlocks.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50436-1 on 2005-06-01.

The following dates were fixed:

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| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2006-06-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2008-06-01 |
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1 Scope

This European Standard specifies test methods and performance requirements for breath alcohol controlled alcohol interlocks. It covers alcohol interlocks intended to be used mainly in traffic safety programs for drink driving offenders.

This European Standard is mainly directed to test laboratories and manufacturers for alcohol interlocks.

Several parameters (as for example alcohol concentration or breath volume) are specified in this European Standard for the purpose of type testing according to this standard only. However, it may be necessary according to national regulations to set these parameters differently for use of the alcohol interlocks.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 60068-2-30:1999, *Environmental testing - Part 2: Tests - Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle)* (IEC 60068-2-30:1980 + A1:1985)

EN 60529:1991 + A1:2000, *Degrees of protection provided by enclosures (IP Code)* (IEC 60529:1989 + A1:1999)

ISO 7637-2:2004, *Road vehicles - Electrical disturbances by conduction and coupling - Part 2: Electrical transient conduction along supply lines only*

ISO 7637-3:1995, *Road vehicles - Electrical disturbances by conduction and coupling - Part 3: Vehicles with nominal 12 V or 24 V supply voltage - Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines*

International Recommendation OIML R 126: *Evidential breath analyzers*. Ed. 1998 Bureau International de Métrologie Légale, 11, rue Turgot – 75 009 Paris – France

3 Definitions

For the purposes of this document, the following terms and definitions apply.

3.1

alcohol interlock

device which is intended to prevent in the blocked state the starting of a vehicle motor, and which can be brought into the unblocked state only after presenting and analysing a breath sample with an alcohol concentration below a limit value

NOTE It normally consists of a handset and a control unit electrically connected to the vehicle.

3.2

breath alcohol concentration

mass concentration of ethanol, given in mg/l, in an end-expiratory breath sample delivered into an alcohol interlock

3.3

end-expiratory breath sample

breath air sample taken under forced expiration through the mouth at the end of a time interval in which the breath flow is above a predetermined minimal value