



NSAI
Standards

Irish Standard
I.S. EN 15964:2011

Breath alcohol test devices other than single use devices - Requirements and test methods

I.S. EN 15964:2011

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This document replaces:

This document is based on:
EN 15964:2011

Published:
11 March, 2011

This document was published
under the authority of the NSAI
and comes into effect on:
11 March, 2011

ICS number:
03.160
71.040.40

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

I.S. EN 15964:2011

EUROPEAN STANDARD

EN 15964

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2011

ICS 03.160; 71.040.40

English Version

Breath alcohol test devices other than single use devices - Requirements and test methods

Ethylotests, autres que les dispositifs à usage unique -
Exigences et méthodes d'essais

Atemalkohol-Testgeräte zur Mehrfachverwendung -
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 29 January 2011.

CEN 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 CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 15964:2011) has been prepared by Technical Committee CEN/TC 367 “Breath-alcohol testers”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Breath alcohol test devices are widely used in Europe in professional applications like law enforcement, promotion of traffic safety and work safety. Test results may lead to severe consequences for everybody involved. Therefore, the test results need to be reliable and acceptable.

This document contains a description of the minimum technical requirements to be met for compliance testing of multi-use breath alcohol test devices. It contains also details concerning the compliance testing and performance requirements of breath alcohol test devices as a prerequisite for approval ¹⁾.

References may also be made to sections of this document for lot-by-lot testing.

Any appropriate technology capable of providing the functionality required in this document may be used.

Breath alcohol test devices considered in this standard use mouthpieces for sampling the breath specimens.

1) European standardization does not cover those subjects that clearly belong to the domain of regulation of the Member States unless this is explicitly supported by the national authority (i.e. regulatory measures remain the competence of the various Member States).

1 Scope

This European Standard applies to breath alcohol test devices which measure the concentration of alcohol contained in an exhaled breath sample intended to be used for screening or preliminary testing. This standard specifies requirements for basic safety and performance, test methods and requirements for marking, labelling and operating instructions.

This standard gives guidelines for type approval procedure consisting of a number of technical performance tests, but excluding in vivo tests, that are carried out on devices supplied by the manufacturers.

In vivo tests, which are designed to test the ability of the device to work with real subjects, may be arranged in compliance with national requirements.

This standard is not applicable to devices covered by OIML R 126:1998 (Evidential breath analyzers) or single use testers.

Devices are designed for law enforcement.

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 60068-2-1, *Environmental testing — Part 2-1: Tests — Test A: Cold*

EN 60068-2-2, *Environmental testing — Part 2-2: Tests — Test B: Dry heat*

EN 60068-2-6, *Environmental testing — Part 2-6: Tests — Test Fc: Vibration (sinusoidal)*

EN 60068-2-27, *Environmental testing — Part 2-27: Tests — Test Ea and guidance: Shock*

EN 60068-2-30, *Environmental testing — Part 2-30: Tests — Test Db: Damp heat, cyclic (12 h + 12 h cycle)*

EN 60068-2-32, *Basic environmental testing procedures — Part 2: Tests — Test Ed: Free fall*

EN 60068-2-64, *Environmental testing — Part 2-64: Tests — Test Fh: Vibration, broadband random and guidance*

EN 60068-2-78, *Environmental testing — Part 2-78: Tests — Test Cab: Damp heat, steady state*

EN 60335-2-29, *Household and similar electrical appliances — Safety — Part 2-29: Particular requirements for battery chargers*

EN 61000-4-2, *Electromagnetic compatibility (EMC) — Part 4-2: Testing and measurement techniques — Electrostatic discharge immunity test*

EN 61000-4-3, *Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test*

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