Breath alcohol test devices for general public — Requirements and test methods

Atemalkoholtestgeräte für den allgemeinen Gebrauch

Ethylotests pour le grand public — Exigences et méthodes d'essais

Note:
Because of possible comments, the final version of this ÖNORM can differ from the present Draft. Please send your comments (in writing) by 2011-09-15 to Austrian Standards Institute.
Explanations concerning Draft

The present Draft European Standard EN 16280 has been submitted to CEN members for voting. In case of a positive result of the voting as required by CEN/CENELEC regulations, this Draft will be published as EN.

Like all member organizations of CEN, Austrian Standards Institute is basically obliged to implement European Standards in Austria and to withdraw conflicting standards.

Austrian Standards Institute herewith submits this Draft of a European Standard as Draft ÖNORM to public enquiry and information.

Comments on this Draft

Please find below some practical instructions intended to offer you and the responsible committee assistance for the processing of comments and proposals for modification:

**Form**

**Structure**
Please use a new line for each comment. This facilitates the attribution of the comments received to the different clauses and chapters of the respective Draft.

**Language**
Please formulate technical comments on European Standards if possible in English, since English is the common working language of the most European standardizing bodies.

Editorial and/or linguistic proposals for change/improvement of German versions of European Standards shall (certainly) be submitted in German.

**Script/Format**
Please use the script „Arial“ with 9 pt font size. Please do not change the formats.

**Dispatch**
Please send your comments by E-Mail to the responsible Committee Manager (andrea.redelsteiner@as-institute.at)

**Aspects concerning patent law**
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Breath alcohol test devices for general public - Requirements and test methods

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 367.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Warning: This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.
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Foreword

This document (prEN 16280:2011) has been prepared by Technical Committee CEN/TC 367 “Breath-alcohol testers”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.
Introduction

The two main objectives of breath testers, the specifications of which are defined in this document, are, on the one hand, to contribute towards the prevention of accidents related to the consumption of alcohol, in particular road accidents, on the other hand, to educate and make consumers aware of their responsibilities by enabling the latter to measure their breath alcohol level.

The purpose of this standard is to define requirements for a device which is capable of producing measurements that will deter a person who has consumed alcohol from driving or carrying out other risk-related activities.

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

The intention of the standard is to define specifications for a breath alcohol tester which is of benefit to the general public at an affordable level.

The requirements in this standard apply for electronic devices only.
1 Scope

This European standard applies to breath alcohol test devices which measure the concentration of alcohol contained in an exhaled breath sample, designed and intended to be used as a self tester for the general public and to provide a reliable indication of the breath alcohol concentration at the time of the test.

This standard specifies requirements for basic safety and performance, test methods and requirements for marking, labelling and operating instructions.

This standard gives guidelines for compliance testing procedures consisting of a number of technical performance tests.

It is not intended that the results of these devices should be used to rebut the results of evidential breath alcohol analysers covered by OIML R 126:1998, or breath alcohol test devices used in professional applications covered by EN 15964 or similar national regulations.

Therefore, the results of measurements shall be displayed in such a way to protect, as far as it is practicable, the user from underestimating his alcohol concentration based on measurement uncertainties, intrinsic in every measurement.

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 15964, Breath alcohol test devices other than single use devices — Requirements and test methods

EN 60068-2-1, Environmental testing — Part 2-1: Tests — Tests A: cold

EN 60068-2-2, Basic environmental testing procedures — Part 2: Tests B: dry heat (EN 60068-2-2/A1 and A2)

EN 60068-2-30, Environmental testing — Part 2: Test Db and guidance — Damp heat, cyclic (12 + 12 hour cycle)

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

3 Terms and definitions

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

3.1 alcohol
considered to be ethanol

3.2 breath alcohol test device
device which accepts a breath specimen, measures the concentration and indicates the level of alcohol in that breath specimen

3.3 operating state
state of the device in which it is able to take a breath specimen and determine the alcohol level in that breath specimen