

Remote alcohol monitoring devices - Test methods and performance requirements - Part 1: Instruments for assessment programmes

EESTI STANDARDI EESSÕNA

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English Version

**Remote alcohol monitoring devices - Test methods and
performance requirements - Part 1: Instruments for assessment
programmes**

Dispositifs de contrôle à distance de l'alcoolémie -
Méthodes d'essai et exigences de performance - Partie 1:
Instruments pour les programmes d'évaluation

Geräte zur Fernüberwachung von Alkoholkonsum -
Prüfverfahren und Anforderungen an das Betriebsverhalten
- Teil 1: Geräte in Beurteilungsprogrammen

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European foreword

This document (EN 50980-1:2019) has been prepared by CLC/BTTF 116-2 "Alcohol Interlocks".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-09-09
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2022-09-09

Introduction

The purpose of remote alcohol monitoring devices is to monitor the compliance of persons subject to mandatory or voluntary programmes focused on monitoring alcohol consumption.

The purpose of EN 50980-1 is to specify essential performance requirements and to provide the respective test methods for available technologies. The technology of remote alcohol monitoring devices continues to evolve, and further innovations can be expected. These could be considered in new parts or revisions of this European Standard.

1 Scope

This document specifies performance requirements and test methods for remote alcohol monitoring devices that use breath alcohol testing technology. It covers remote alcohol monitoring devices having a mouthpiece and which are intended to be used by participants in programmes designed to monitor alcohol consumption.

This document is directed at test laboratories and manufacturers of remote alcohol monitoring devices. It defines requirements and test procedures for type testing.

Several parameter settings (such as alcohol concentration, breath volume or units of measurement) are specified in this document for the purpose of type testing according to this standard only. However, it may be necessary due to national regulations or depending on user requests to set the values of the prescribed parameter settings differently when the remote alcohol monitoring devices are in use.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 50436-6, *Alcohol interlocks — Test methods and performance requirements — Part 6: Data security*

EN 60068-2-1:2007, *Environmental testing — Part 2-1: Tests — Test A: Cold (IEC 60068-2-1:2007)*

EN 60068-2-2:2007, *Environmental testing — Part 2-2: Tests — Test B: Dry heat (IEC 60068-2-2:2007)*

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

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

EN 60068-2-30:2005, *Environmental testing — Part 2-30: Tests — Test Db: Damp heat, cyclic (12 h + 12 h cycle) (IEC 60068-2-30:2005)*

EN 60068-2-31, *Environmental testing — Part 2-31: Tests — Test Ec: Rough handling shocks, primarily for equipment-type specimens (IEC 60068-2-31)*

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

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

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

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

ISO 7637-3, *Road vehicles — Electrical disturbances from conduction and coupling — Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines*

ISO 10605, *Road vehicles — Test methods for electrical disturbances from electrostatic discharge*