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Eltandborstar – Funktionsprovning

*Electrically operated toothbrushes –
Methods for measuring performance*

Som svensk standard gäller europastandarden EN IEC 63174:2022. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 63174:2022.

Nationellt förord

Europastandarden EN IEC 63174:2022

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 63174, First edition, 2021 - Electrically operated toothbrushes - Methods for measuring performance**

utarbetad inom International Electrotechnical Commission, IEC.

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English Version

**Electrically operated toothbrushes - Methods for measuring the
performance
(IEC 63174:2021)**

Brosses à dents électriques - Méthodes de mesure de
l'aptitude à la fonction
(IEC 63174:2021)

Elektrisch betriebene Zahnbürsten - Verfahren zur Messung
der Gebrauchseigenschaften
(IEC 63174:2021)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 59L/208/FDIS, future edition 1 of IEC 63174, prepared by SC 59L "Small household appliances" of IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63174:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-10-03 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2025-01-03 document have to be withdrawn

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 63174:2021 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62301	-	Household electrical appliances Measurement of standby power	-EN 50564	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Electrically operated toothbrushes – Methods for measuring the performance

Brosses à dents électriques – Méthodes de mesure de l'aptitude à la fonction

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICALLY OPERATED TOOTHBRUSHES –
METHODS FOR MEASURING THE PERFORMANCE**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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IEC 63174 has been prepared by subcommittee 59L: Small household appliances, of IEC technical committee 59: Performance of household and similar electrical appliances. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
59L/208/FDIS	59L/211/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

Terms **in bold** in the text are defined in Clause 3.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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ELECTRICALLY OPERATED TOOTHBRUSHES – METHODS FOR MEASURING THE PERFORMANCE

1 Scope

This document applies to **electrically operated toothbrushes** used for electric cleaning of teeth. **Rechargeable toothbrushes** and **primary battery operated toothbrushes**, both for adults and children, are within the scope of this document.

This document describes the test methods for measurement of the performance parameters as listed in Clause 4.

The purpose of this document is only to specify the measurement method; it does not define any limit values.

NOTE The **electrically operated toothbrushes** are classified as follows:

Classification with regard to supply modes:

- **primary battery operated toothbrush;**
- **rechargeable toothbrush:**
 - **wireless rechargeable toothbrush;**
 - **corded rechargeable toothbrush.**

Classification with regard to operating modes:

- **rotary electrically operated toothbrush;**
- **reciprocating electrically operated toothbrush:**
 - **linear reciprocating electrically operated toothbrush;**
 - **rotational reciprocating electrically operated toothbrush;**
- **vibratory electrically operated toothbrush.**

The different types are explained for information only, since the tests to be carried out are identical, except for **primary battery operated toothbrushes** and **rechargeable toothbrushes**.

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.

IEC 62301, *Household electrical appliances – Measurement of standby power*