



SLOVENSKI STANDARD
SIST EN IEC 60705:2025

01-februar-2025

**Gospodinske mikrovalovne pečice - Metode za merjenje učinkovitost delovanja
(IEC 60705:2024)**

Household microwave ovens - Methods for measuring performance (IEC 60705:2024)

Mikrowellengeräte für den Hausgebrauch und ähnliche Zwecke - Verfahren zur Messung der Gebrauchstauglichkeit (IEC 60705:2024)

Fours à micro-ondes à usage domestique - Méthodes de mesure de l'aptitude à la fonction (IEC 60705:2024)

Ta slovenski standard je istoveten z: EN IEC 60705:2024

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ICS:

97.040.20	Štedilniki, delovni pulti, pečice in podobni aparati	Cooking ranges, working tables, ovens and similar appliances
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SIST EN IEC 60705:2025

en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60705

December 2024

ICS 97.040.20

Supersedes EN 60705:2015; EN 60705:2015/A2:2018

English Version

**Household microwave ovens - Methods for measuring
performance
(IEC 60705:2024)**

Fours à micro-ondes à usage domestique - Méthodes de
mesure de l'aptitude à la fonction
(IEC 60705:2024)

Mikrowellengeräte für den Hausgebrauch - Verfahren zur
Messung der Gebrauchstauglichkeit
(IEC 60705:2024)

This European Standard was approved by CENELEC on 2024-12-18. 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.

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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

EN IEC 60705:2024 (E)**European foreword**

The text of document 59K/400/FDIS, future edition 5 of IEC 60705, prepared by SC 59K "Performance of household and similar electrical cooking 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 60705:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-12-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-12-31 document have to be withdrawn

This document supersedes EN 60705:2015 and all of its amendments and corrigenda (if any).

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The text of the International Standard IEC 60705:2024 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60335-2-25 NOTE Approved as EN IEC 60335-2-25

CISPR 11 NOTE Approved as EN 55011

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60350-1	2023	Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance	EN IEC 60350-1	2023
IEC 60584-1	-	Thermocouples - Part 1: EMF specifications and tolerances	EN 60584-1	-
ISO 80000-1	2022	Quantities and units - Part 1: General	EN ISO 80000-1	2022

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IEC 60705

Edition 5.0 2024-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Household microwave ovens – Methods for measuring performance

Fours à micro-ondes à usage domestique – Méthodes de mesure de l'aptitude à la fonction

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 97.040.20

ISBN 978-2-8327-0016-7

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD MICROWAVE OVENS –
METHODS FOR MEASURING 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 60705 has been prepared by subcommittee 59K: Performance of household and similar cooking appliances, of IEC technical committee 59: Performance of household and similar electrical appliances. It is an International Standard.

This fifth edition cancels and replaces the fourth edition published in 2010, Amendment 1: 2014 and Amendment 2: 2018. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) thematically ordered new sequence of the clauses;
- b) updated normative references;
- c) introduced a new definition for microwave generator to open the standard for microwave ovens with one or more magnetrons or solid-state components;
- d) aligned with IEC 60350-1:2023 regarding the definitions and references;

- e) aligned preparation of water load for Clause 8 and Clause 10;
- f) removed the definitions for set to off mode and set to standby mode ;
- g) added new definitions regarding low power modes;
- h) aligned the low power mode measurement, Clause 11, to IEC 60350-1:2023;
- i) revised square tank tests to one new 12.2;
- j) revised the dishes used for Clause 12, Clause 13 and Clause 14 and removal of Annex B;
- k) removed A.3.3;
- l) removed Annex F for measuring the energy consumption of the cooling down period;
- m) former Annex E will be substituted by a supporting document located on the IEC's website.

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

Draft	Report on voting
59K/400/FDIS	59K/404/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/publications.

Words 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,
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