

**KODUMAJAPIDAMISES KASUTATAVAD ELEKTRILISED
TOIDUVALMISTUSSEADMED. OSA 2: PLIIDIPLAADID.
TOIMIVUSE MÕÕTEMEETODID**

**Household electric cooking appliances - Part 2: Hobs -
Methods for measuring performance
(IEC 60350-2:2017 , modified +
IEC 60350-2:2017/A1:2021)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60350-2:2018 +A1:2021 sisaldab Euroopa standardi EN 60350-2:2018 ja selle muudatuse A1:2021 ingliskeelset teksti.	This Estonian standard EVS-EN 60350-2:2018 +A1:2021 consists of the English text of the European standard EN 60350-2:2018 and its amendment A1:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.01.2018, muudatus A1 25.06.2021.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. Date of Availability of the European standard is 19.01.2018, for A1 25.06.2021.
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ICS 97.040.20

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English Version

Household electric cooking appliances -
Part 2: Hobs - Methods for measuring performance
(IEC 60350-2:2017 , modified + IEC 60350-2:2017/A1:2021)

Appareils de cuisson électrodomestiques -
Partie 2: Tables de cuisson - Méthodes de mesure de
l'aptitude à la fonction
(IEC 60350-2:2017 , modifiée + IEC 60350-
2:2017/A1:2021)

Elektrische Kochgeräte für den Hausgebrauch -
Teil 2: Kochfelder - Verfahren zur Messung der
Gebrauchseigenschaften
(IEC 60350-2:2017 , modifiziert + IEC 60350-
2:2017/A1:2021)

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European foreword

The text of document 59K/293/FDIS, future edition 2 of IEC 60350-2, 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 60350-2:2018.

A draft amendment, which covers common modifications to IEC 60350-2 (59K/287/CDV), was prepared by CLC/TC 59X "Performance of household and similar electrical appliances" and approved by CENELEC.

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)	2018-07-19
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latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2021-01-19
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This document supersedes EN 60350-2:2013.

An Excel 97-2003 data calculation program is available with this document for the automatic calculation of the energy consumption.

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For the relationship with EU Regulations see informative Annex ZZA and Annex ZZB which are integral parts of this document.

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The text of the International Standard IEC 60350-2:2017 was approved by CENELEC as a European Standard with agreed common modifications.

A1 Amendment A1 European foreword

The text of document (59K/329/FDIS), future IEC 60350-2/A1, prepared by SC 59K "Ovens and microwave ovens, cooking ranges and similar 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 60350-2:2018/A1:2021.

The following dates are fixed:

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Household electric cooking appliances –
Part 2: Hobs – Methods for measuring performance**

**Appareils de cuisson électrodomestiques –
Partie 2: Tables de cuisson – Méthodes de mesure de l'aptitude à la fonction**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Household electric cooking appliances –
Part 2: Hobs – Methods for measuring performance**

**Appareils de cuisson électrodomestiques –
Partie 2: Tables de cuisson – Méthodes de mesure de l'aptitude à la fonction**

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CONTENTS

FOREWORD.....	7
A1 AMENDMENT A1 FOREWORD A1	9
1 Scope.....	11
2 Normative references	11
3 Terms and definitions	11
4 List of measurements	15
4.1 Dimensions and mass	15
4.2 Cooking zones and cooking areas.....	15
4.3 Cleaning	15
5 General conditions for the measurements	15
5.1 Test room	15
5.2 Electricity supply	16
5.3 Instrumentation and measurements	16
5.4 Positioning the appliance	17
5.5 Initial conditions	17
5.6 Cookware	17
5.6.1 Standardized cookware	17
5.6.2 Alternative cookware	22
6 Dimensions and mass.....	23
6.1 Overall dimensions	23
6.2 Mass of the appliance	25
6.3 Cooking zones and cooking areas.....	25
6.3.1 Number of cooking zones per hob.....	25
6.3.2 Dimensions of cooking zones	25
6.3.3 Dimensions of cooking areas	26
6.4 Level of solid hotplates	26
6.5 Distance between cooking zones	27
7 Energy consumption and heating up time	27
7.1 General.....	27
7.2 Purpose	27
7.3 Determine a cookware set to assess a hob with cooking zones	27
7.4 Positioning the cookware on a cooking zone	28
7.5 Procedure for measuring the energy consumption of a cooking process	29
7.5.1 Preparation.....	29
7.5.2 Preliminary measurements	29
7.5.3 Measuring the energy consumption	31
7.5.4 Evaluation and calculation	32
7.6 Procedure for measuring the heating up time	33
8 Ability to control the temperature of a load.....	34
8.1 Lower control position	34
8.1.1 Purpose	34
8.1.2 Cookware, positioning and ingredients.....	34
8.1.3 Procedure.....	35
8.1.4 Assessment	35
8.2 Temperature overshoot of hotplates	35

8.2.1	Purpose	35
8.2.2	Ingredients and cookware	35
8.2.3	Procedure	36
8.2.4	Assessment	36
9	Heat distribution and heat supply	36
9.1	Measuring the heat distribution	36
9.1.1	Test purpose	36
9.1.2	Discs	36
9.1.3	Pre-test for determining the setting	37
9.1.4	Preparation of the disc for the main test	38
9.1.5	Main test	39
9.1.6	Assessment	39
9.2	A1 Continuous frying	44
9.2.1	Purpose	44
9.2.2	Specification of the frying pan	44
9.2.3	Recipe and amounts	45
9.2.4	Pre-test	45
9.2.5	Main test	46
9.2.6	Assessment A1	47
10	Heat performance of cooking zones	48
10.1	Purpose	48
10.2	Procedure	48
11	Smallest detected diameter for induction cooking zones	50
11.1	Purpose	50
11.2	Procedure	50
12	Power measurement of low power modes	51
13	Spillage capacity of hobs	52
Annex A (normative)	Further requirements for measuring the energy consumption and heating up time for cooking areas	53
A.1	General	53
A.2	Hob with cooking area	53
A.2.1	General	53
A.2.2	Cooking area without limitative marking	53
A.2.3	Hob with cooking area with limitative marking	54
A.2.4	Hob with cooking zones and cooking areas	55
A.3	Positioning on a cooking area	55
A.3.1	General	55
A.3.2	Positioning on a cooking area without limitative markings	55
A.3.3	Positioning on a cooking area with limitative markings	56
Annex B (informative)	Aids for measuring the energy consumption according to Clause 7	60
B.1	Fixing the temperature measurement instrument to the lid – Example	60
B.2	Marking the lowest possible simmering power setting	60
Annex C (informative)	Examples how to select and position the cookware for measurements according to Clause 7 and Annex A	62
C.1	Example 1 – Cooking zones	62
C.2	Example 2 – cooking zones combined with cooking area with limitative markings	63

C.3	Example 3 – cooking area with limitative markings > 3 controls with the area of control in front.....	66
C.4	Example 4 – cooking area with limitative markings > 3 controls with the area of control at the side	69
Annex D (normative)	Shade chart	72
Annex E (informative)	Data and calculation sheet: energy consumption of a cooking process (see Clause 7 and Annex A)	74
Annex F (informative)	Addresses of suppliers	75
F.1	General.....	75
F.2	Disc material (C45) for measuring the smallest detected diameter	75
F.3	Stainless steel for bottom material of the standardized cookware	75
F.4	Cookware for measuring the energy consumption and heating up time.....	75
F.5	Disc for measuring the heat distribution	75
F.6	Lamp for digital measurement systems	75
F.7	Digital measurement system	76
F.8	Testcharts for checking the resolution of the imaging system	76
Annex G (informative)	Example for assessing the lower control position	77
G.1	General.....	77
G.2	Criteria.....	77
A1 Annex H (informative)	Pre-test for determining the simmering setting regarding the measurement of energy consumption	78
H.1	Purpose	78
H.2	Procedure to determine an adequate simmering setting A1	78
Annex ZA (normative)	Normative references to international publications with their corresponding European publications	80
Annex ZB (informative)	Uncertainty of measurements	81
Annex ZZA (informative)	Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EU) No 66/2014 aimed to be covered	82
Annex ZZB (informative)	Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EC) No 1275/2008 aimed to be covered	84
Bibliography		85
Figure 1 – Standardized cookware		22
Figure 2 – Dimensions of appliances.....		24
Figure 3 – Dimensions of built-in hobs		25
Figure 4 – Device for checking the level of solid hotplates		26
Figure 5 – Overshoot measurement		29
Figure 6 – Energy consumption measurement process for a cooking process		31
Figure 7 – Diametral lines		43
Figure 8 – Disc to determine the smallest detected diameter		51
Figure A.1 – Layout for a hob with cooking area without limitative marking – Example		53
Figure A.2 – Layouts for a hob with a cooking area with limitative marking – Examples		54
Figure A.3 – Drawing layer.....		56
Figure A.4 – Position a cookware set on a cooking area with limitative markings ≤ 3 controls – Example		57

Figure A.5 – Position a cookware set on a cooking area with limitative markings > 3 controls – Example	59
Figure B.1 – Position of the temperature measurement instrument.....	60
Figure B.2 – Polar coordinate paper – Example	61
Figure C.1 – Example 1: tubular hotplates, solid hotplates, radiant cooking zone or induction cooking zone	62
Figure C.2 – Example 1: selecting and positioning of cookware	63
Figure C.3 – Example 2: induction or radiant cooking zones combined with a cooking area with limitative markings	64
Figure C.4 – Example 2: selecting and positioning of cookware	65
Figure C.5 – Example 3: Cooking area with limitative markings > 3 controls with the area of the control in front.....	66
Figure C.6 – Example 3: procedure how to shift the cookware into the correct position – Step 1.....	67
Figure C.7 – Example 3: Procedure how to shift the cookware into the correct position – Step 2.....	68
Figure C.8 – Example 4: Cooking area with limitative markings > 3 controls with the area of the control at the side	69
Figure C.9 – Example 4: procedure how to shift the cookware into the correct position – Step 1.....	70
Figure C.10 – Example 4: procedure how to shift the cookware into the correct position – Step 2.....	71
Table 1 – Instruments	16
Table 2 – Measurements.....	16
Table 3 – Sizes of standardized cookware and water amounts	19
Table 4 – Criteria for selecting the cookware set regarding cooking zones	28
Table 5 – Amount of oil	34
Table 6 – Specifications for discs used for measuring the heat distribution	37
Table 7 – maximum time $t_{\max}$ for each size of disc	41
Table 8 – Ingredients	45
Table 11 – Quantity of batter per pancake	45
Table 12 – Example for the assessment of pancakes	48
Table 8 – Quantities for heat performance test.....	48
Table 9 – Frying times for potato chips	49
Table A.1 – Criteria for the cookware set for measuring cooking areas without limitative marking.....	54
Table A.2 – Criteria for the cookware set for measuring cooking areas with limitative marking.....	55
Table D.1 – Classification of shade numbers regarding R_y	72
Table D.2 – Examples for the shade charts regarding L^* , R_y and the specification of the limiting samples H_{limit} and H_{lower}	73
Table ZB.1 – Relative expanded uncertainty a of measured values of this European Standard Measured parameter.....	81

Table ZZA.1 — Correspondence between this European Standard and Commission Regulation (EU) No 66/2014 of 14 January 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for household hobs [OJ L 29/33, 31.01.2014] and Commission's standardization request M/495 Standardization mandate to CEN, CENELEC and ETSI under Directive 2009/125/EC relating to harmonized standards in the field of Ecodesign.....82

Table ZZB.1 – Correspondence between this European Standard and Commission Regulation (EC) No 1275/2008 of 17 December 2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment [OJ L 339, 18.12.2008] and Commission's standardization request M/439 Mandate to CEN, CENELEC and ETSI for standardization in the field of standby and off modes power consumption measurement for energy using products (EuPs)84

INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD ELECTRIC COOKING APPLIANCES –

Part 2: Hobs – Methods for measuring performance

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International Standard IEC 60350-2 has been prepared by subcommittee 59K: Performance of household and similar electrical cooking appliances, of IEC technical committee TC 59: Performance of household and similar electrical appliances.

This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

This bilingual version (2019-05) corresponds to the monolingual English version, published in 2017-08.

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

- a) terms and definitions revised and new definitions added (see 3);
- b) following the new market trend, requirements related to so-called flexible and free induction zones – in this document named as **cooking areas** – are added;
- c) specification for standardized and alternative cookware is introduced (see 5.6);

- d) measurement procedure reflecting a household-like cooking process for measuring the energy consumption is introduced (see Clause 0 and Annex A);
- e) revision of measurement procedure for determining the accuracy of control (see Clause 0);
- f) new reproducible measurement procedure for assessing the heat distribution (see Clause 0);
- g) additional requirements (according to IEC 62301:2011) on how to measure low-power modes.

In this document, terms in bold characters are defined in Clause 3.

This standard contains attached files in the form of a spreadsheet. These files are intended to be used as a complement and do not form an integral part of the standard.

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

FDIS	Report on voting
59K/293/FDIS	59K/294/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

The French version of this standard has not been voted upon.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60350 series, published under the general title *Household electric cooking appliances*, can be found on the IEC website.

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

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Amendment 1 to IEC 60350-2:2017 has been prepared by subcommittee 59K: Performance of household and similar electrical cooking appliances, of IEC technical committee 59: Electric dishwashers.

The text of this amendment is based on the following documents:

FDIS	Report on voting
Annex A59K/329/FDIS	Annex B59K/332/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 Amendment 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/.

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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HOUSEHOLD ELECTRIC COOKING APPLIANCES –

Part 2: Hobs – Methods for measuring performance

1 Scope

This part of IEC 60350 defines methods for measuring the performance of electric **hobs** for household use.

Appliances covered by this document can be built-in or designed to be placed on a work surface. The **hob** can also be a part of a cooking range.

A1 deleted text **A1**

This document defines the main performance characteristics of **hobs** which are of interest to the user and specifies methods for measuring these characteristics.

This document does not specify a classification or ranking for performance.

NOTE 1 Some of the tests which are specified in this document are not considered to be reproducible since the results can vary between laboratories. They are therefore intended for comparative testing purposes only.

NOTE 2 This document does not deal with safety requirements (IEC 60335-2-6 and IEC 60335-2-9).

A1 NOTE 3 This document is also applicable for portable appliances with similar functionality that were previously covered by the withdrawn IEC 61817. **A1**

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 62301:2011, *Household electrical appliances – Measurement of standby power*

IEC 60364-5-54, *Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors*

ISO 80000-1:2009, *Quantities and units – Part 1: General*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>