

INTERNATIONAL STANDARD

AMENDMENT 1

Cooking fume extractors - Methods for measuring performance

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

Cooking fume extractors - Methods for measuring performance

AMENDMENT 1

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Amendment 1 to IEC 61591:2023 has been prepared by subcommittee 59K: Performance of household and similar electrical cooking appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

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

Draft	Report on voting
59K/424/CDV	59K/432/RVC

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/publications/.

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- reconfirmed,
- withdrawn, or
- revised.

2 Normative references

Replace the reference to IEC 62301 with the following:

IEC 62301, *Measurement of standby power for appliances and equipment*

Delete the footnote to IEC 63474 and the dash after the standard.

Replace "ISO 80000-1:2009" by "ISO 80000-1:2022".

3 Terms and definitions

3.24

standby mode

Replace the existing definition with the following:

condition where the appliance is connected to the mains and provides only the following functions, which can persist for an indefinite duration:

- a) reactivation function, or reactivation function and a mere indication of enabled reactivation function;
- b) information or status display;
- c) protective function.

EXAMPLE 1 An example for the protective function is an acoustical signal when touch controls are overflowed with water.

EXAMPLE 2 An example for the reactivation function is an internal touch control sensor, which continuously monitors any user's interaction.

[SOURCE: IEC 60350-1:2023, 3.17, and IEC 60350-1:2023/AMD1:2025, 3.17, modified – "one or more of" has been deleted from the definition, item b) has been included in item a), item c) has been modified and examples have been added.]

6.2 Installation and positioning

Add, after the third paragraph, the following new sentence:

For the lowest level of the cooking fume extractor, any pull-out or swing-out mechanisms are not considered.

6.6 Instrumentation and measurements

Table 1 – Instruments

Replace the existing Table 1 with the following:

Parameter	Unit	Minimum resolution	Accuracy	Additional requirements
Mass	g	0,1 g	±0,5 g	
Temperature	°C	0,1 °C	±1,5 K	Thermocouple type J or K in accordance with IEC 60584-1 or PT100 sensor in accordance with IEC 60751.
Time	s	1 s	±1 s	
Power	W	-	±1 %	
Illuminance	lx	-	±10 %	
Pressure/Air pressure	Pa	-	±1 %	The accuracy is for pressures ≤ 150 Pa and at least 1,5 Pa.
Linear dimensions for cabinets, countertop and width of CFE	mm	1 mm	±1 mm	

8.2.1 Principles

Replace the existing first and second paragraphs with the following:

The requirements of IEC 62301 and IEC 63474 shall be applied in addition to the following requirements.

However, instruments and measurements shall not be in accordance with 6.6 but with the requirements set in IEC 62301.

Replace, in the seventh paragraph, the penultimate dotted item with the following:

- after each appliance interaction, wait at least 20 min before commencing with measurements; and

8.2.4 Determination of consumption in standby mode in condition of networked standby

Replace, in the third paragraph, the existing last sentence with the following:

Avoid any interaction with the remote user interface during the 20 min waiting time and the measurement.