

INTERNATIONAL STANDARD

**Electric motor-operated tools – Dust measurement procedure –
Part 2-4: Particular requirements for hand-held saws**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRIC MOTOR-OPERATED TOOLS DUST MEASUREMENT PROCEDURE –

Part 2-4: Particular requirements for hand-held sanders

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IEC 63241-2-4 has been prepared by IEC technical committee 116: Safety of motor-operated electrical tools. It is an International Standard.

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

Draft	Report on voting
116/799/FDIS	116/822/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.

This document is to be used in conjunction with the first edition of IEC 63241-1:2023.

This document supplements or modifies the corresponding clauses in IEC 63241-1, so as to convert it into the IEC Standard: *Electric motor-operated tools – Dust measurement procedure – Particular requirements for hand-held sanders*.

Where a particular subclause of IEC 63241-1 is not mentioned in this document, that subclause applies as far as relevant. Where this document states "addition", "modification" or "replacement", the relevant text in IEC 63241-1 is to be adapted accordingly.

The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

Subclauses, notes, tables and figures which are additional to those in IEC 63241-1 are numbered starting from 101.

A list of all parts in the IEC 63241 series, published under the general title *Electric motor-operated tools – Dust measurement procedure*, can be found on the IEC website.

The committee has decided that the content 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, or
- revised.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

ELECTRIC MOTOR-OPERATED TOOLS DUST MEASUREMENT PROCEDURE –

Part 2-4: Particular requirements for hand-held sanders

1 Scope

IEC 63241-1:2023, Clause 1 is applicable, except as follows:

Addition:

This document applies to **sanders** with the exception of all types of rotating disc-type sanders, which are covered by IEC 63241-2-3¹.

2 Normative references

IEC 63241-1:2023, Clause 2 is applicable, except as follows:

Addition:

IEC 63241-1:2023, *Electric motor-operated tools – Dust measurement procedure – Part 1: General requirements*

EN 12859:2011, *Gypsum blocks – Definitions, requirements and test methods*

3 Terms and definitions

IEC 63241-1:2023, Clause 3 is applicable, except as follows:

Addition:

3.101

sander

tool intended to remove surface material using an abrasive medium

3.102

orbital sander

sander equipped with a plate, which performs an orbital oscillating motion parallel to the work surface

3.103

eccentric orbit sander

sander equipped with a plate positioned eccentrically on the driving spindle which can rotate freely around its axis parallel to the work surface

¹ Under preparation. Stage at the time of publication: IEC FDIS 63241-2-3:2024.