

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Panel mounted equipment – Electrical measuring instruments – Dimensions for panel mounting

Appareils montés en tableaux – Instruments de mesure électriques – Dimensions pour le montage en tableaux



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PANEL MOUNTED EQUIPMENT –
ELECTRICAL MEASURING INSTRUMENTS –
DIMENSIONS FOR PANEL MOUNTING**

FOREWORD

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IEC 61554 has been prepared by IEC technical committee 85: Measuring equipment for electrical and electromagnetic quantities. It is an International Standard.

This second edition cancels and replaces the first edition published in 1999. This edition constitutes a technical revision.

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

- a) Add more sizes and tolerances of instruments and some practical information for panel mounting which were not mentioned in IEC 61554:1999;
- b) Modify several current sizes and tolerance of instruments;
- c) Update the figures in Annex A;
- d) Change Annex A from informative to normative.

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

Draft	Report on voting
85/949/FDIS	85/956/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.

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- withdrawn, or
- revised.

PANEL MOUNTED EQUIPMENT – ELECTRICAL MEASURING INSTRUMENTS – DIMENSIONS FOR PANEL MOUNTING

1 Scope

This document defines a system of dimensions for panel mounting of equipment. It is applicable to electrical and electrically operated indicating, recording and control instruments.

It applies to the following types of instruments with protruding bezels:

- instruments with square housing;
- instruments with rectangular housing with lateral orientation;
- instruments with rectangular housing with upright orientation;
- instruments with round housing and square bezel;
- instruments with round housing and rectangular bezel.

The purpose of this document is to establish dimensional interchangeability between instruments made by different manufacturers. To fulfil this requirement, a defined set of dimensions has been chosen. Using these dimensions, it will be easier to combine instruments of different sizes on the same panel making good use of the available panel space and to produce a satisfactory layout.

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.

ISO 2768-1, *General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

3 Terms and definitions

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

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

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

3.1

cut-out

hole in the panel into which the instrument or group of instruments is inserted

3.2

bezel

front projecting surface or rim around the housing of the instrument