



IEC 61554

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REDLINE VERSION

INTERNATIONAL STANDARD

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

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 61554:1999. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

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.

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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 ~~should~~ 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*

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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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

**APPAREILS MONTÉS EN TABLEAUX –
INSTRUMENTS DE MESURE ÉLECTRIQUES –
DIMENSIONS POUR LE MONTAGE EN TABLEAUX****AVANT-PROPOS**

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L'IEC 61554 a été établie par le comité d'études 85 de l'IEC: Équipement de mesure des grandeurs électriques et électromagnétiques. Il s'agit d'une Norme internationale.

Cette deuxième édition annule et remplace la première édition parue en 1999. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

- a) Ajout de dimensions et tolérances supplémentaires pour les appareils et de certaines informations pratiques relatives au montage en tableaux, qui n'étaient pas mentionnées dans l'IEC 61554:1999;
- b) Modification de plusieurs dimensions et tolérances actuelles pour les appareils;
- c) Mise à jour des figures de l'Annexe A;
- d) Modification du statut de l'Annexe A d'informative à normative.

Le texte de cette Norme internationale est issu des documents suivants:

Projet	Rapport de vote
85/949/FDIS	85/956/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à son approbation.

La langue employée pour l'élaboration de cette Norme internationale est l'anglais.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2, il a été développé selon les Directives ISO/IEC, Partie 1 et les Directives ISO/IEC, Supplément IEC, disponibles sous www.iec.ch/members_experts/refdocs. Les principaux types de documents développés par l'IEC sont décrits plus en détail sous www.iec.ch/publications.

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APPAREILS MONTÉS EN TABLEAUX – INSTRUMENTS DE MESURE ÉLECTRIQUES – DIMENSIONS POUR LE MONTAGE EN TABLEAUX

1 Domaine d'application

Le présent document définit un système de dimensions pour le montage en tableaux des appareils. Il est applicable aux instruments de mesure électriques du type indicateur, enregistreur et de contrôle.

Il s'applique aux types d'appareils suivants avec cadre en saillie:

- appareils avec boîtier carré;
- appareils avec boîtier rectangulaire et orientation horizontale;
- appareils avec boîtier rectangulaire et orientation verticale;
- appareils avec boîtier rond et cadre carré;
- appareils avec boîtier rond et cadre rectangulaire.

L'objectif du présent document est de permettre une interchangeabilité dimensionnelle entre les appareils fabriqués par des constructeurs différents. Pour répondre à cette exigence, une série déterminée de dimensions a été choisie. En utilisant ces dimensions, il sera plus facile de grouper sur le même panneau des appareils ayant des dimensions différentes et d'utiliser au mieux la surface disponible sans nuire toutefois à l'esthétique.

2 Références normatives

Les documents suivants sont cités dans le texte de sorte qu'ils constituent, pour tout ou partie de leur contenu, des exigences du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

ISO 2768-1, *Tolérances générales – Partie 1: Tolérances pour dimensions linéaires et angulaires non affectées de tolérances individuelles*