

STN	Elektrické meracie prístroje priamo pôsobiace ukazovacie analógové a ich príslušenstvo Časť 7: Osobitné požiadavky na multifunkčné prístroje	STN EN IEC 60051-7 35 6203
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Direct acting indicating analogue electrical measuring instruments and their accessories - Part 7: Special requirements for multi-function instruments

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/18

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EN IEC 60051-7

NORME EUROPÉENNE

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March 2018

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English Version

Direct acting indicating analogue electrical measuring
instruments and their accessories - Part 7: Special requirements
for multi-function instruments
(IEC 60051-7:2017)

Appareils mesureurs électriques indicateurs analogiques à
action directe et leurs accessoires - Partie 7: Exigences
particulières pour les appareils à fonctions multiples
(IEC 60051-7:2017)

Direkt wirkende anzeigende elektrische Meßgeräte und ihr
Zubehör - Meßgeräte mit Skalenanzeige - Teil 7: Spezielle
Anforderungen für Vielfach-Meßgeräte
(IEC 60051-7:2017)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60051-7:2018 (E)**European foreword**

The text of document 85/560/CDV, future edition 5 of IEC 60051-7, prepared by IEC/TC 85 "Measuring equipment for electrical and electromagnetic quantities" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60051-7:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-10-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-01-19

This document supersedes EN 60051-7:1989.

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For the relationship with EU Directives see informative Annex ZZ, which is an integral part of this document.

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The text of the International Standard IEC 60051-7:2017 was approved by CENELEC as a European Standard without any modification.

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IEC 60051-9¹ NOTE Harmonized as EN 60051-9².

¹ To be published. Stage at the time of publication: IEC CDV 60051-9:2018.

² To be published. Stage at the time of publication: prEN 60051-9:2018.

Annex ZA
(normative)**Normative references to international publications
with their corresponding European publications**

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60051-1	2016	Direct acting indicating analogue electrical measuring instruments and their accessories – Part1: Definitions and general requirements common to all parts	EN 60051-1	2017



IEC 60051-7

Edition 5.0 2017-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Direct acting indicating analogue electrical measuring instruments and their accessories –

Part 7: Special requirements for multi-function instruments

Appareils mesureurs électriques indicateurs analogiques à action directe et leurs accessoires –

Partie 7: Exigences particulières pour les appareils à fonctions multiples



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Edition 5.0 2017-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Direct acting indicating analogue electrical measuring instruments and their accessories –

Part 7: Special requirements for multi-function instruments

Appareils mesureurs électriques indicateurs analogiques à action directe et leurs accessoires –

Partie 7: Exigences particulières pour les appareils à fonctions multiples

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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 Description, classification and compliance.....	7
4.1 Description	7
4.2 Classification	7
4.3 Compliance with the requirements of this standard	7
5 Requirements	8
5.1 Reference conditions	8
5.2 Limits of intrinsic uncertainty, fiducial value	8
5.2.1 Limits of intrinsic uncertainty	8
5.2.2 Correspondence between intrinsic uncertainty and accuracy class	8
5.2.3 Fiducial value	8
5.3 Nominal range of use and variations	8
5.3.1 Nominal range of use.....	8
5.3.2 Limits of variations.....	8
5.3.3 Conditions for the determination of variations	8
5.4 Operating uncertainty, overall system uncertainty and variations	8
5.5 Electrical requirements	8
5.5.1 Electrical safety requirements.....	8
5.5.2 Self-heating.....	8
5.5.3 Permissible overloads.....	9
5.5.4 Limiting range of temperature	9
5.5.5 Deviation from zero	9
5.5.6 Electromagnetic compatibility (EMC)	9
5.6 Constructional requirements	9
5.6.1 General constructional requirements	9
5.6.2 Damping.....	9
5.6.3 Sealing to prevent access.....	9
5.6.4 Scales	9
5.6.5 Stopper.....	9
5.6.6 Preferred values	10
5.6.7 Adjusters, mechanical and/or electrical.....	10
5.6.8 Effects of vibration and shock.....	10
5.6.9 Degrees of protection provided by enclosure	10
5.6.10 Terminals	10
6 Information, markings and symbols.....	10
6.1 Information	10
6.2 Markings, symbols and their locations.....	10
6.3 Markings relating to the reference values and nominal ranges of use of influence quantities.....	10
6.4 The symbols for marking instruments and accessories.....	10
6.5 Markings and symbols for terminals	10
6.5.1 Requirements for markings.....	10

6.5.2	Earthing (grounding) terminals.....	10
6.5.3	Measuring circuit terminals	10
6.5.4	Special markings for terminals.....	11
6.6	Instructions for use	11
7	Package	11
8	Test rules	11
	Annex A (normative) Nonconformity classification of tests	12
	Bibliography.....	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIRECT ACTING INDICATING ANALOGUE ELECTRICAL MEASURING INSTRUMENTS AND THEIR ACCESSORIES –

Part 7: Special requirements for multi-function instruments

FOREWORD

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International Standard IEC 60051-7 has been prepared by IEC technical committee 85: Measuring equipment for electrical and electromagnetic quantities.

This fifth edition cancels and replaces the fourth edition published in 1984. This edition constitutes a technical revision.

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

- a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9;
- b) addition of Annex A to specify the nonconformity classification of test items.

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

CDV	Report on voting
85/560/CDV	85/583A/RVC

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.

This International Standard is to be used in conjunction with IEC 60051-1:2016.

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

A list of all parts in the IEC 60051 series, published under the general title *Direct acting indicating analogue electrical measuring instruments and their accessories*, 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

IEC 60051 is published in separate parts according to the following structure and under the general title: *Direct acting indicating analogue electrical measuring instruments and their accessories*.

- Part 1: Definitions and general requirements common to all parts
- Part 2: Special requirements for ammeters and voltmeters
- Part 3: Special requirements for wattmeters and varmeters
- Part 4: Special requirements for frequency meters
- Part 5: Special requirements for phase meters, power factor meters and synchrosopes
- Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters
- Part 7: Special requirements for multi-function instruments
- Part 8: Special requirements for accessories
- Part 9: Recommended test methods

IEC 60051-7 is not complete in itself and is read in conjunction with IEC 60051-1.

All of these parts are arranged in the same format and a standard relationship between subject and clause number is maintained throughout these parts. This arrangement will assist the reader of IEC 60051 to distinguish information relating to the different types of instruments.

DIRECT ACTING INDICATING ANALOGUE ELECTRICAL MEASURING INSTRUMENTS AND THEIR ACCESSORIES –

Part 7: Special requirements for multi-function instruments

1 Scope

This part of IEC 60051 applies to multi-function analogue instruments.

This document also applies to non-interchangeable accessories (as defined in 3.1.23 of IEC 60051-1:2016) used with multi-function analogue instruments.

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 60051-1:2016, *Direct acting indicating analogue electrical measuring instruments and their accessories – Part 1: Definitions and general requirements common to all parts*

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