



NSAI
Standards

Irish Standard
I.S. EN 60440:2012

Method of measurement of non-linearity in resistors (IEC 60440:2012 (EQV))

I.S. EN 60440:2012

Incorporating amendments/corrigenda issued since publication:

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EUROPEAN STANDARD
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EN 60440

August 2012

ICS 31.040

English version

**Method of measurement of non-linearity in resistors
(IEC 60440:2012)**

Méthode de mesure
de la non-linéarité des résistances
(CEI 60440:2012)

Verfahren zur Messung
der Nichtlinearität von Widerständen
(IEC 60440:2012)

This European Standard was approved by CENELEC on 2012-08-17. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 40/2155/FDIS, future edition 1 of IEC 60440, prepared by IEC/TC 40 "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60440:2012.

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) 2013-05-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-08-17

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Endorsement notice

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60027 Series	NOTE	Harmonised as EN 60027 Series (not modified).
ISO 80000-1	NOTE	Harmonised as EN ISO 80000-1.

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

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-

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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 Method of measurement	6
4.1 Measurement principle	6
4.2 Measuring circuit.....	8
4.3 Measurement system requirements	9
4.3.1 Measuring frequency	9
4.3.2 Noise level of the measuring system.....	9
4.3.3 Third harmonic ratio of the measuring system.....	9
4.3.4 Power amplifier.....	9
4.3.5 Voltmeter.....	10
4.3.6 Filter.....	10
4.3.7 Test fixture	10
4.4 Verification of the measuring system	10
5 Measurement procedure.....	10
5.1 Environmental conditions	10
5.2 Preparation of specimen.....	10
5.3 Measurement conditions.....	10
5.4 Procedure	11
5.5 Precautions	11
6 Evaluation of measurement results	11
6.1 Evaluation	11
6.2 Requirements.....	12
7 Information to be given in the relevant component specification.....	12
Annex A (informative) Reference to IEC/TR 60440	15
Bibliography.....	16
Figure 1 – Equivalent circuit at the fundamental frequency	6
Figure 2 – Equivalent circuit at the third harmonic frequency	7
Figure 3 – Corrective term Δ	8
Figure 4 – Block schematic of a suitable measuring system	9
Table 1 – Recommended measuring conditions (1 of 2)	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

METHOD OF MEASUREMENT OF NON-LINEARITY IN RESISTORS

FOREWORD

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International Standard IEC 60440 has been prepared by committee 40: Capacitors and resistors for electronic equipment.

This International Standard cancels and replaces the Technical Report IEC/TR 60440, published in 1973.

The major changes with regard to the Technical Report are:

- change of the principle parameter's term from "third harmonic attenuation" to "third harmonic ratio";
- addition of advice on the prescription of requirements in a relevant component specification;
- addition of a set of recommended measuring conditions for a specimen with a rated dissipation of less than 100 mW;
- a complete editorial revision.

I.S. EN 60440:2012

– 4 –

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

FDIS	Report on voting
40/2155/FDIS	40/2167/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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