



SLOVENSKI STANDARD
SIST EN 60651:1997/A2:2003
01-marec-2003

Sound level meters

Sound level meters

Schallpegelmesser

Sonomètres

iTeh STANDARD PREVIEW
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Ta slovenski standard je istoveten z: EN 60651:1994/A2:2001

[SIST EN 60651:1997/A2:2003](https://standards.iteh.ai/catalog/standards/sist/dc76a808-cab7-4926-962c-4e1e16da3638/sist-en-60651-1997-a2-2003)

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ICS:

17.140.50 Elektroakustika Electroacoustics

SIST EN 60651:1997/A2:2003 **en**

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EUROPEAN STANDARD

EN 60651/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2001

ICS 97.100

English version

Sound level meters
(IEC 60651:1979/A2:2000)Sonomètres
(CEI 60651:1979/A2:2000)Schallpegelmesser
(IEC 60651:1979/A2:2000)

STANDARD PREVIEW

This amendment A2 modifies the European Standard EN 60651:1994; it was approved by CENELEC on 2000-11-01. CENELEC members are bound to comply with the GEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 29/458/FDIS, future amendment 2 to IEC 60651:1979, prepared by IEC TC 29, Electroacoustics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60651:1994 on 2000-11-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-08-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2003-11-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annex E is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

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The text of amendment 2:2000 to the International Standard IEC 60651:1979 was approved by CENELEC as an amendment to the European Standard without any modification.

[SIST EN 60651:1997/A2:2003](https://standards.iteh.ai/catalog/standards/sist/dc76a808-cab7-4926-962c-4e1e16da3638/sist-en-60651-1997-a2-2003)

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
Add:				
IEC 61000-4-2	1995	Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995
IEC 61000-4-3 (mod)	1995	Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	1996
IEC 61000-6-1	1997	Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	-	-
IEC 61000-6-2	1999	Part 6-2: Generic standards - Immunity for industrial environments	EN 61000-6-2	1999
IEC 61000-6-3	1996	Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	-	-
CISPR 16-1	1999	Specification for radio disturbance and immunity measuring apparatus and methods Part 1: Radio disturbance and immunity measuring apparatus	-	-
CISPR 22 (mod)	1997	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022 + corr. August	1998 1999

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
60651

1979

AMENDEMENT 2
AMENDMENT 2
2000-10

Amendement 2

Sonomètres

Amendment 2
Sound level meters

<https://standards.iteh.ai/catalog/standards/sist/dc76a808-cab7-4926-962c-4e1e16da3638/sist-en-60651-1997-a2-2003>

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by IEC technical committee 29: Electroacoustics.

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

FDIS	Report on voting
29/458/FDIS	29/472/RVD

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

Page 3

CONTENTS

Add the title of clause 12 as follows:

12 Electromagnetic and electrostatic compatibility requirements and test procedures

Add the following new appendix:

Appendix E (informative) Emission limits

[SIST EN 60651:1997/A2:2003
https://standards.iteh.ai/catalog/standards/sist/dc76a808-cab7-4926-962c-4e1e16da3638/sist-en-60651-1997-a2-2003](https://standards.iteh.ai/catalog/standards/sist/dc76a808-cab7-4926-962c-4e1e16da3638/sist-en-60651-1997-a2-2003)

Page 5

PREFACE

Add, after the IEC publication quoted, the titles of the following standards:

IEC 61000-4-2:1995, *Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test. Basic EMC publication*

IEC 61000-4-3:1995, *Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 3: Radiated, radio-frequency, electromagnetic field immunity test*

IEC 61000-6-1:1997, *Electromagnetic compatibility (EMC) – Part 6: Generic standards – Section 1: Immunity for residential, commercial and light-industrial environments*

IEC 61000-6-2:1999, *Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments*

CISPR 16-1:1999, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1: Radio disturbance and immunity measuring apparatus*

CISPR 22:1997, *Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement*

CISPR 61000-6-3:1996, *Electromagnetic compatibility (EMC) – Part 6: Generic standards – Section 3: Emission standard for residential, commercial and light-industrial environments*

Page 11

3 Definitions

Add, on page 13, the following phrase and the following new definitions:

The following definitions apply in addition to those specified in IEC 61000-4-2, IEC 61000-4-3, IEC 61000-6-1, IEC 61000-6-2 and CISPR 61000-6-3.

3.10

reference orientation (of a sound level meter)

orientation of a sound level meter with respect to the principal direction of an emitter or receiver of radio-frequency fields such that for sound level meters with the microphone directly attached, the reference orientation specified for the instrument is directly in line with the principal direction of this same emitter or receiver. For instruments that do not have the microphone directly attached, the configuration for the reference orientation is specified in the instruction manual

3.11

group X sound level meter

self-contained instrument that includes sound level measurement facilities according to this standard and which specifies internal battery power for the normal mode of operation, requiring no external connections to other apparatus to measure sound levels

3.12

group Y sound level meter

self-contained instrument that includes sound level measurement facilities according to this standard and which specifies connection to a public power supply system for the normal mode of operation, requiring no external connections to other apparatus to measure sound levels

3.13

group Z sound level meter

instrument that includes sound level measurement facilities according to this standard requiring two or more items of equipment to be connected together by some means for the normal mode of operation, with operation either from batteries or from a public power supply. The configuration for the normal mode of operation is specified in the instruction manual