



# SLOVENSKI STANDARD

## SIST EN 61094-4:2002

01-september-2002

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### Measurement microphones - Part 4: Specifications for working standard microphones (IEC 61094-4:1995)

Measurement microphones -- Part 4: Specifications for working standard microphones

Meßmikrofone -- Teil 4: Anforderungen an Gebrauchs-Normalmikrofone

Microphones de mesure -- Partie 4: Spécifications des microphones étalons de travail

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Ta slovenski standard je istoveten z: **EN 61094-4:1995**

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#### **ICS:**

17.140.50	Elektroakustika	Electroacoustics
33.160.50	Pribor	Accessories

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**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61094-4**

December 1995

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ICS 17.140.50; 33.160.50

Descriptors: Electroacoustics, measuring instruments, microphones, definitions, classifications, standard measures, characteristics, specifications

English version

**Measurement microphones**  
**Part 4: Specifications for working standard microphones**  
(IEC 1094-4:1995)

Microphones de mesure  
Partie 4: Spécifications des  
microphones étalons de travail  
(CEI 1094-4:1995)

Meßmikrofone  
Teil 4: Anforderungen an  
Gebrauchs-Normalmikrofone  
(IEC 1094-4:1995)

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This European Standard was approved by CENELEC on 1995-11-28. 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.

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 European Standard 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

European 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 29/295/DIS, future edition 1 of IEC 1094-4, prepared by IEC TC 29, Electroacoustics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61094-4 on 1995-11-28.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-09-01

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 A is informative.  
Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 1094-4:1995 was approved by CENELEC as a European Standard without any modification.

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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 942	1988	Sound calibrators	HD 556 S1	1991
IEC 1094-1	1992	Measurement microphones Part 1: Specifications for laboratory standard microphones	EN 61094-1 <sup>1)</sup>	1994
IEC 1094-2	1992	Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique	EN 61094-2	1993
IEC 1094-3	1995	Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique	EN 61094-3	1995
ANSI B1.1	1982	Unified inch screw threads	-	-
ISO	1983	Guide to the expression of uncertainty in measurement	-	-

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1) EN 61094-1 includes the corrigendum February 1993 to IEC 1094-1.

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NORME  
INTERNATIONALE  
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CEI  
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Première édition  
First edition  
1995-11

**Microphones de mesure**

**Partie 4:**  
Spécifications des microphones étalons de travail

iTeh STANDARD PREVIEW  
Measurement microphones  
(standards.iteh.ai)

**Part 4:**  
Specifications for working standard microphones

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International Electrotechnical Commission  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## MEASUREMENT MICROPHONES

## Part 4: Specifications for working standard microphones

## FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national or regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

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International Standard IEC 1094-4 has been prepared by IEC technical committee 29: Electroacoustics.

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

DIS	Report on voting
29/295/DIS	29/312/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.

IEC 1094 consists of the following parts, under the general title Measurement microphones:

- Part 1: 1992, Specifications for laboratory standard microphones
- Part 2: 1992, Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique
- Part 3: 1995, Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique
- Part 4: 1995, Specifications for working standard microphones

Annex A is for information only.