



**SLOVENSKI STANDARD**  
**SIST EN 60804:1998/A2:1999**  
**01-julij-1999**

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**Integrating-averaging sound level meters - Amendment A2 (IEC 60804:1985/A2:1993)**

Integrating-averaging sound level meters

Integrierende mittelwertbildende Schallpegelmesser

Sonomètres intégrateurs-moyenneurs

**STANDARD PREVIEW**  
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**Ta slovenski standard je istoveten z: EN 60804:1994/A2:1994**

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**ICS:**

17.140.50      Elektroakustika                      Electroacoustics

**SIST EN 60804:1998/A2:1999**                      **en**

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EUROPEAN STANDARD

EN 60804/A2

NORME EUROPEENNE

EUROPÄISCHE NORM

January 1994

UDC 621.317.799:534.6

Descriptors: Electroacoustic equipment, acoustic measuring instruments, sound level meter, characteristic, calibration, metrological inspection, marking

Amendment A2 to the English version of EN 60804

Integrating-averaging sound level meters  
(IEC 804:1985/A2:1993)

Sonomètres  
intégrateurs-moyenneurs  
(CEI 804:1985/A2:1993)

Integrierende mittelwertbildende  
Schallpegelmesser  
(IEC 804:1985/A2:1993)

## iTeh STANDARD PREVIEW

This amendment A2 modifies the European Standard EN 60804:1994. It was approved by CENELEC on 1993-12-08. CENELEC members are bound to comply with the CEN/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, 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

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Ref. No. EN 60804:1994/A2:1994 E

### FOREWORD

The text of document 29(CO)204, as prepared by IEC Technical Committee N° 29: Electroacoustics, was submitted to the IEC-CENELEC parallel vote in March 1993.

The reference document was approved by CENELEC as amendment A2 to EN 60804 on 8 December 1993.

The following dates were fixed:

- latest date of publication of  
an identical national standard (dop) 1994-12-01
- latest date of withdrawal of  
conflicting national standards (dow) 1994-12-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

## **iTeh STANDARD PREVIEW** ENDORSEMENT NOTICE **(standards.iteh.ai)**

The text of amendment 2:1993 to the International Standard IEC 804:1985 was approved by CENELEC as an amendment to the European Standard without any modification.

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## ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT 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.

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

IEC Publication	Date	Title	EN/HD	Date
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942	1988	Sound calibrators	HD 556 S1	1991

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC  
804

1985

AMENDEMENT 2  
AMENDMENT 2

1993-09

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Amendement 2

Sonomètres intégrateurs-moyenneurs

iTeh STANDARD PREVIEW

Amendment 2

(standards.iteh.ai)

Integrating-averaging sound level meters

[SIST EN 60804:1998/A2:1999](https://standards.iteh.ai/catalog/standards/sist/cc44354a-78cd-4f0f-afe2-fa713debd1a2/sist-en-60804-1998-a2-1999)

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Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève, Suisse



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

E

*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:

DIS	Report on Voting
29(CO)204	29(CO)209

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

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*Delete appendix D.*

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PREFACE

*Add, to the existing list, the following standard:*

IEC 942: 1988, *Sound calibrators*

Page 9

**2 Object and general requirements**

*Replace the title of subclause 2.3.2 on page 11 by the following:*

*Averaging and integration*



Page 11

### 3 Definitions

Replace, in 3.3 on page 13, first sentence by:

*Equivalent continuous A-weighted sound pressure level (also time-average A-weighted sound pressure level or time-average sound level) is defined as follows:*

*In 3.4 on page 13, amend the equation and note as follows:*

*In the equation and the explanation under the equation: replace  $L_{EA,T}$  by  $L_{AE}$ .*

*In the note: replace  $E_{AT}$  by  $E_A$ .*

Page 17

### 4 General characteristics

Replace, in 4.1, the first paragraph by the following two paragraphs:

Specifications in this standard apply to the overall performance of integrating-averaging sound level meters with specified frequency weightings. The principal elements of integrating-averaging sound level meters generally include a microphone, an amplifier, an integrator and a time averager, and an indicator. The specifications also apply to integrating sound level meters with specified frequency weightings. The principal elements of integrating sound level meters generally include a microphone, an amplifier, an integrator and an indicator.

In clauses 4, 5, 6, and 7, specifications are given for the principal elements of integrating-averaging and integrating sound level meters with tolerances for four instruments Types. In clause 8, the specifications for the sensitivity to various environments are given. Any additional item necessary to meet any of the requirements (such as an extension rod or cable and a random incidence corrector) is regarded as an integral part of an integrating-averaging or integrating sound level meter.

Replace, in 4.2, the existing text by the following:

The equivalent continuous sound pressure level indicated by the instrument under the reference conditions specified in 9.1, and at the reference sound pressure level and reference frequency, shall be accurate to within  $\pm 0,4$  dB,  $\pm 0,7$  dB,  $\pm 1,0$  dB and  $\pm 1,5$  dB for Type 0, 1, 2 and 3 instruments respectively, after any warm-up period specified by the manufacturer and after following the manufacturer's recommended field checking/calibrating procedure. A means shall be available (for example, a sound calibrator meeting the requirements of IEC 942) to check and maintain calibration such that the tolerances specified above are met for the reading under reference conditions.