



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61237-4:1998

ICS 33.160.40

**BROADCAST VIDEO TAPE RECORDERS -
METHODS OF MEASUREMENT
PART 4: ANALOGUE AUDIO PERFORMANCE
MEASUREMENTS
(IEC 61237-4:1997)**

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EUROPEAN STANDARD
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EN 61237-4

November 1997

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Descriptors: Electroacoustics, video recording, recording apparatus, magnetoscopes, radiocommunications, measurements, characteristics, acoustic signals, analog signals

English version

**Broadcast video tape recorders - Methods of measurement
Part 4: Analogue audio performance measurements
(IEC 61237-4:1997)**

Magnétoscopes de radiodiffusion
Méthodes de mesure
Partie 4: Mesure des caractéristiques
audio-analogiques
(CEI 61237-4:1997)

Videobandgeräte für den Rundfunk
Meßverfahren
Teil 4: Messung der Leistungskennwerte
für analoge Tonsignale
(IEC 61237-4:1997)

This European Standard was approved by CENELEC on 1997-10-01. 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.

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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 100B/93/FDIS, future edition 1 of IEC 61237-4, prepared by SC 100B, Recording, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61237-4 on 1997-10-01.

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) 1998-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1998-07-01

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 annexes A and B are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61237-4:1997 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex B, Bibliography, the following note has to be added for the standard indicated:

IEC 60094-2 NOTE: Harmonized as EN 60094-2:1995 (not modified).

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 60094-3	1979	Magnetic tape sound recording and reproducing systems Part 3: Methods of measuring the characteristics of recording and reproducing equipment for sound on magnetic tape	EN 60094-3 ¹⁾	1996
IEC 60268-1	1985	Sound system equipment Part 1: General	HD 483.1 S2 ²⁾	1989
IEC 60268-2	1987	Part 2: Explanation of general terms and calculation methods	HD 483.2 S2 ³⁾	1993
IEC 60268-3	1988	Part 3: Amplifiers	HD 483.3 S2 ⁴⁾	1992
IEC 60268-8	1973	Part 8: Automatic gain control devices	-	-
IEC 60386	1972	Method of measurement of speed fluctuations in sound recording and reproducing equipment	-	-
IEC 60602	1980	Type B helical video recorders	HD 574 S1 ⁵⁾	1990
IEC 60651	1979	Sound level meters	EN 60651	1994
IEC 61041-1	1990	Non-broadcast video tape recorders Methods of measurement Part 1: General video (NTSC/PAL) and audio (longitudinal) characteristics	EN 61041-1	1995
IEC 61041-3	1993	Part 3: Audio characteristics for FM recording	EN 61041-3	1995

1) EN 60094-3 includes A1:1980 + A2:1988 to IEC 60094-3.

2) HD 483.1 S2 includes A1:1988 to IEC 60268-1.

3) HD 483.2 S2 includes A1:1991 to IEC 60268-2.

4) HD 483.3 S2 includes A1:1990 + A2:1991 to IEC 60268-3.

5) HD 574 S1 includes A1:1987 to IEC 60602.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61105	1991	Reference tapes for video tape recorder systems	EN 61105	1993
IEC 61213	1993	Analogue audio recording on video tape Polarity of magnetization	EN 61213	1994
IEC 61260	1995	Electroacoustics - Octave-band and fractional-octave-band filters	EN 61260	1995
IEC 61295	1994	Calibration tapes for broadcast VTRs	-	-
ITU-R Recommendation BS 468-4	1990	Measurement of audio-frequency noise voltage level in sound broadcasting	-	-
ITU-R 798-2	1990	Simulated programme signals	-	-

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