

Audio, video, and related equipment - Determination of power consumption - Part 1: General

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NATIONAL FOREWORD

See Eesti standard EVS-EN 62087-1:2016 sisaldab Euroopa standardi EN 62087-1:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 62087-1:2016 consists of the English text of the European standard EN 62087-1:2016.
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English Version

Audio, video, and related equipment - Determination of power
consumption - Part 1: General
(IEC 62087-1:2015)

Appareils audio, vidéo et matériel connexe - Détermination
de la consommation de puissance - Partie 1: Généralités
(IEC 62087-1:2015)

Messverfahren für die Leistungsaufnahme von Audio-,
Video- und verwandten Geräten - Teil 1: Allgemeines
(IEC 62087-1:2015)

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

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

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European foreword

The text of document 100/2466/FDIS, future edition 1 of IEC 62087-1, prepared by Technical Area 12 “AV energy efficiency and smart grid applications” of IEC/TC 100 “Audio, video and multimedia systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62087-1:2016.

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) 2016-08-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-02-19

This document supersedes EN 62087:2012 (partially).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62087-1:2015 was approved by CENELEC as a European Standard without any modification.

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

IEC 62087 Series	NOTE	Harmonized as EN 62087 Series.
IEC 62087-2	NOTE	Harmonized as EN 62087-2.
IEC 62087-3	NOTE	Harmonized as EN 62087-3.
IEC 62087-4	NOTE	Harmonized as EN 62087-4.
IEC 62087-5	NOTE	Harmonized as EN 62087-5.
IEC 62087-6	NOTE	Harmonized as EN 62087-6.

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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62301 (mod)	2011	Household electrical appliances - Measurement of standby power	EN 50564	2011
IEC 62542	2013	Environmental standardization for electrical and electronic products and systems - Glossary of terms	EN 62542	2013

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms, definitions, and abbreviations	6
3.1 Terms and definitions.....	6
3.2 Abbreviations.....	7
4 Specification of operating modes and functions	7
5 General method.....	8
5.1 General conditions.....	8
5.1.1 Power source	8
5.1.2 Environmental conditions.....	9
5.1.3 Adjustment of controls	10
5.1.4 Input signals.....	10
5.1.5 Power measuring instrument	10
5.1.6 Measurement uncertainty.....	10
5.1.7 Luminance measuring device.....	10
5.1.8 Illuminance measuring instrument.....	11
5.2 General measuring procedure.....	11
6 Determination of power consumption, Off mode.....	11
7 Verification procedure.....	11
Annex A (informative) Verification procedure	12
A.1 General.....	12
A.2 Verification procedure.....	12
Annex B (informative) Electricity supplies	13
Bibliography.....	14
Figure A.1 – Flowchart, verification procedure	12
Table 1 – General operating modes and functions	8
Table B.1 – Typical declared electricity supplies for some regions	13

INTRODUCTION

The IEC 62087 series specifies the general conditions and procedure for determining the power consumption of audio, video and related equipment. The specific conditions and procedures for specific types of equipment are specified in IEC 62087-3 to IEC 62087-6. IEC 62087-2 specifies signals and media that may be required to determine the power consumption of some types of equipment.

IEC 62087:2008¹ added methods for determining the On (average) mode power consumption of televisions, based on three video signal sets. These include static, dynamic broadcast-content, and Internet-content signals.

IEC 62087:2011² revised methods for determining the power consumption of set top boxes.

The IEC 62087 series separates IEC 62087 into parts, including this general part which specifies the common conditions and procedures and adds new information about operating modes.

IEC 62087 has been subdivided and currently consists of the following planned or published parts:

- Part 1: General
- Part 2: Signals and media
- Part 3: Television sets
- Part 4: Video recording equipment
- Part 5: Set top boxes
- Part 6: Audio equipment

¹ IEC 62087:2008, *Methods of measurement for the power consumption of audio, video and related equipment*

² IEC 62087:2011, *Methods of measurement for the power consumption of audio, video and related equipment*