

Household electrical appliances -
Measurement of standby power
(IEC 62301:2005,MOD)

december 2005
ICS 17.220.20; 97.030

Als Nederlandse norm is aanvaard:
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- IEC 62301:2005, MOD

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Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

<u>vermelde norm</u>	<u>Nederlandse norm</u>	<u>titel</u>
IEC 60050-131	NEN-IEC 60050-131	Internationale Elektrotechnische Woordenlijst - Deel 131: Elektrische en magnetische circuits (en,fr)
IEC 60050-300	NEN-IEC 60050-300	Internationale elektrotechnische woordenlijst - Elektrische- en elektronische metingen en meetinstrumenten - Deel 311: Algemene termen met betrekking tot metingen - Deel 312: Algemene termen met betrekking tot elektrische metingen - Deel 313: Soorten elektrische meetinstrumenten - Deel 314: Specifieke termen volgens het soort instrument (en,fr)

Voorbeeld
Preview

EUROPEAN STANDARD

EN 62301

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2005

ICS 17.220.20; 97.030

English version

**Household electrical appliances –
Measurement of standby power
(IEC 62301:2005, modified)**

Appareils électrodomestiques –
Mesure de l'alimentation générale
(CEI 62301:2005, modifiée)

Elektrische Geräte für den Hausgebrauch –
Messung der Stand-by-Leistungsaufnahme
(IEC 62301:2005, modifiziert)

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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

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Ref. No. EN 62301:2005 E

Foreword

The text of document 59/409A/FDIS, future edition 1 of IEC 62301, prepared by IEC TC 59, Performance of household electrical appliances, was submitted to the IEC-CENELEC parallel vote.

This text, together with a draft amendment, prepared by the Technical Committee CENELEC TC 59X, Consumer information related to household electrical appliances, and submitted to the formal vote, was approved by CENELEC as EN 62301 on 2005-07-01.

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) 2006-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-07-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62301:2005 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Introduction

Add:

The document is written as a specific measurement procedure and shall not normally be used on its own but as a referenced standard in a product performance standard. Thus where a product requires data on standby power, it shall be made by incorporation of a new clause in the product performance standard which makes reference to this standard and defines within that clause set-up data and control procedures.

However since it will no doubt be used as a generic measurement method for appliances that have no performance standard or are "new" appliances, further modifications to EN 62301 will likely be needed in the future.

The aim of the common modifications to the text of IEC 62301:2005 is to ensure the European Standard complies with the EU requirements for energy labelling.

4.3 Power supply

Replace the second paragraph by:

Where the test voltage and frequency are not defined by an external standard, the test voltage and test frequency shall be:

- 230 V \pm 1 %
- 50 Hz \pm 1 %

If the appliances are to be connected to three phases and the test voltage and frequency are not defined by an external standard the test voltage and test frequency shall be:

- 400 V \pm 1 %
- 50 Hz \pm 1 %

Delete Table 1.

Add the following new clause:

Z1 Tolerances and control procedures

Where tolerances and control procedures are not defined by an external standard, the tolerances and control procedures shall be according to the following.

Z1.1 For power consumption greater than 1 W

The standby power determined according to this standard on the first appliance shall not be greater than the value declared by the manufacturer plus 15 %.

If the result of the test carried out on the first appliances is greater than the value declared plus 15 %, the test for standby power shall be carried out on a further three appliances, which shall be randomly selected from the market.

The arithmetic mean of the values of these three appliances for the standby power shall not be greater than the declared value plus 10 %.

Z1.2 For power consumption less or equal to 1 W

The standby power measured according to Clause 4 shall not be greater than the value declared by the manufacturer plus 0,15 W.

If the result of the test carried out on the first appliance is greater than the declared value plus 0,15 W, the test shall be carried out on a further three appliances, which shall be randomly selected from the market.

The arithmetic mean of the values of these three appliances shall not be greater than the declared value plus 0,1 W.

Bibliography

Add:

EN 50242, *Electric dishwashers for household use - Test methods for measuring the performance*

EN 50304, *Electric ovens for household use - Methods for measuring the energy consumption*

Delete IEC 60436.

Add the following notes for the standards indicated:

IEC 60299	NOTE Harmonized as EN 60299 (not modified).
IEC 60311	NOTE Harmonized as EN 60311 (not modified).
IEC 60350	NOTE Harmonized as EN 60350 (not modified).
IEC 60379	NOTE Harmonized as EN 60379:2004 (modified).
IEC 60442	NOTE Harmonized as EN 60442 (not modified).
IEC 60456	NOTE Harmonized as EN 60456:2005 (modified).
IEC 60531	NOTE Harmonized as EN 60531:2000 (modified).
IEC 60619	NOTE Harmonized as EN 60619 (not modified).
IEC 60661	NOTE Harmonized as EN 60661 (not modified).
IEC 60675	NOTE Harmonized as EN 60675 (not modified).
IEC 60705	NOTE Harmonized as EN 60705 (not modified).
IEC 60879	NOTE Harmonized as EN 60879 (not modified).
IEC 61121	NOTE Harmonized as EN 61121:2005 (modified).
IEC 61176	NOTE Harmonized as EN 61176 (not modified).
IEC 61254	NOTE Harmonized as EN 61254 (not modified).
IEC 61591	NOTE Harmonized as EN 61591 (not modified).
IEC 62087	NOTE Harmonized as EN 62087 (not modified).

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Where 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 60050-131	2002	International Electrotechnical Vocabulary Part 131: Circuit theory	-	-
IEC 60050-300	2001	Part 311: General terms relating to measurements Part 312: General terms relating to electrical measurements Part 313: Types of electrical measuring instruments Part 314: Specific terms according to the type of instrument	-	-

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First edition
2005-06

**Appareils électrodomestiques –
Mesure de la consommation en veille**

**Household electrical appliances –
Measurement of standby power**

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SOMMAIRE

AVANT-PROPOS.....	4
INTRODUCTION.....	8
1 Domaine d'application	10
2 Références normatives.....	10
3 Termes et définitions	12
4 Conditions générales pour les mesures	12
4.1 Généralités.....	12
4.2 Salle d'essai.....	12
4.3 Alimentation électrique.....	12
4.4 Forme d'onde de la tension d'alimentation.....	14
4.5 Précision de la mesure de la puissance.....	14
5 Mesures.....	14
5.1 Généralités.....	14
5.2 Choix et préparation des appareils ou des équipements.....	16
5.3 Procédure.....	16
6 Rapport d'essai	18
6.1 Précisions sur les appareils (équipements).....	18
6.2 Paramètres d'essai.....	18
6.3 Données mesurées, pour chaque mode applicable.....	20
6.4 Détails des essais et du laboratoire.....	20
Annexe A (informative) Certains modes typiques pour des types d'appareils sélectionnés ...	22
Annexe B (informative) Notes sur la mesure des modes de faible puissance	30
Annexe C (informative) Conversion des valeurs de puissance en énergie.....	36
Annexe D (informative) Détermination de l'incertitude de mesure.....	40
Bibliographie.....	42
Figure A.1 – Schéma des circuits par type	28
Tableau 1 – Détails des alimentations électriques nominales types pour certaines régions ...	14

CONTENTS

FOREWORD.....	5
INTRODUCTION.....	9
1 Scope.....	11
2 Normative references	11
3 Terms and definitions	13
4 General conditions for measurements.....	13
4.1 General.....	13
4.2 Test room.....	13
4.3 Power supply.....	13
4.4 Supply voltage waveform.....	15
4.5 Power measurement accuracy.....	15
5 Measurements.....	15
5.1 General.....	15
5.2 Selection and preparation of appliance or equipment	17
5.3 Procedure.....	17
6 Test report.....	19
6.1 Appliance (equipment) details	19
6.2 Test parameters	19
6.3 Measured data for each mode as applicable.....	21
6.4 Test and laboratory details.....	21
Annex A (informative) Some typical modes for selected appliance types.....	23
Annex B (informative) Notes on the measurement of low power modes.....	31
Annex C (informative) Converting power values to energy	37
Annex D (informative) Determination of uncertainty of measurement	41
Bibliography.....	43
Figure A.1 – Circuit diagram images by type.....	29
Table 1 – Typical nominal electricity supply details for some regions.....	15

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