



**NSAI**  
Standards

Irish Standard  
I.S. EN 60299:2014

# Household electric blankets - Methods for measuring performance

**I.S. EN 60299:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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EUROPEAN STANDARD

**EN 60299**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2014

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Supersedes EN 60299:1994

English Version

**Household electric blankets - Methods for measuring  
performance  
(IEC 60299:2014)**

Couvertures chauffantes électriques à usage domestique -  
Méthodes de mesure des performances  
(CEI 60299:2014)

Elektrische Haushalt-Wärmeunterbetten/Wärmezudecken -  
Prüfverfahren zur Bestimmung der  
Gebrauchseigenschaften  
(IEC 60299:2014)

This European Standard was approved by CENELEC on 2014-08-14. 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 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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## **Foreword**

The text of document 59C/181/FDIS, future edition 3 of IEC 60299, prepared by SC 59C "Heating appliances" of IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60299:2014.

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) 2015-05-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-08-14

This document supersedes EN 60299:1994.

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

ISO 3758	NOTE	Harmonized as EN ISO 3758.
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## **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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60335-2-17	2012	Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances	EN 60335-2-17	2013
IEC 62301 (mod)	2011	Household electrical appliances - Measurement of standby power	EN 50564	2011
ISO 2439	-	Flexible cellular polymeric materials - Determination of hardness (indentation technique)	EN ISO 2439	-

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**IEC 60299**

Edition 3.0 2014-07

# **INTERNATIONAL STANDARD**

## **NORME INTERNATIONALE**

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**Household electric blankets – methods for measuring performance**

**Couvertures chauffantes électriques à usage domestique – méthodes de mesure des performances**



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**IEC 60299**

Edition 3.0 2014-07

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**Household electric blankets – methods for measuring performance**

**Couvertures chauffantes électriques à usage domestique – méthodes de mesure des performances**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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PRICE CODE  
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## CONTENTS

FOREWORD .....	3
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 Classification .....	7
4.1 General .....	7
4.2 Type .....	7
4.3 Heated areas .....	7
4.4 Temperature distribution .....	7
4.5 Means of control .....	7
4.6 Regulation .....	7
4.7 Type of supply .....	8
4.8 Method of cleaning .....	8
4.9 Fixing of the underblanket to the mattress .....	8
5 List of measurements .....	8
6 General conditions for measurements .....	8
7 Dimensions, mass and textile composition .....	9
7.1 Dimensions .....	9
7.2 Mass .....	9
7.3 Textile composition .....	10
8 Evenness of temperature .....	10
9 Heating-up time and energy consumption .....	12
10 Stability of temperature .....	12
11 Effect of laundering on dimensions .....	13
12 Control settings .....	13
Bibliography .....	14
Figure 1 – Heated area showing the layout of the plates .....	11

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### **HOUSEHOLD ELECTRIC BLANKETS – METHODS FOR MEASURING PERFORMANCE**

#### FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60299 has been prepared by sub-committee 59C: Heating appliances, of IEC technical committee 59: Performance of household electrical appliances.

This third edition cancels and replaces the second edition published in 1994. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) extended classification;
- b) extended list of measurements;
- c) temperature measurement means changed to thermocouples.

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

FDIS	Report on voting
59C/181/FDIS	59C/184/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.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this standard, the following print types are used:

- *test specifications: in italic type*
- notes: in small roman type
- other text: in roman type
- terms defined in Clause 3: in **bold** type.

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## HOUSEHOLD ELECTRIC BLANKETS – METHODS FOR MEASURING PERFORMANCE

### 1 Scope

This International Standard applies to electric **blankets**, **wraps** and **duvets** for household use.

This International Standard defines the main performance characteristics of electric **blankets**, **wraps** and **duvets** and specifies methods for measuring these characteristics, for the information of users.

This International Standard does not specify values for performance characteristics.

NOTE This standard does not deal with safety requirements that are covered by IEC 60335-2-17.

### 2 Normative references

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.

IEC 60335-2-17:2012 *Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances*

IEC 62301:2011, *Household electrical appliances – Measurement of standby power*

ISO 2439, *Polymeric materials, cellular flexible – Determination of linear dimensions*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

##### **blanket**

appliance comprising a substantially flat **flexible part** that is intended to form part of the bedding, for heating the bed

#### 3.2

##### **flexible part**

all layers of material forming the permanent enclosure of the appliance together with the heating element, thermostats and all other current-carrying parts contained within it.

Note 1 to entry: The **flexible part** may be inside a detachable cover.

#### 3.3

##### **underblanket**

**blanket** to be used under the occupant of the bed

#### 3.4

##### **overblanket**

**blanket** to be used over the occupant of the bed

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