

BS EN 61255:2014



BSI Standards Publication

Household electric heating pads — Methods for measuring performance

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National foreword

This British Standard is the UK implementation of EN 61255:2014. It is identical to IEC 61255:2014. It supersedes BS EN 61255:1995 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CPL/59, Performance of household electrical appliances.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Published by BSI Standards Limited 2014

ISBN 978 0 580 83328 1

ICS 97.100.10

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2014.

Amendments/corrigenda issued since publication

Date	Text affected
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English Version

**Household electric heating pads - Methods for measuring
performance
(IEC 61255:2014)**

Coussins chauffants électriques pour usage domestique -
Méthodes de mesure des performances
(CEI 61255:2014)

Elektrische Haushalt-Heizdecken - Prüfverfahren zur
Bestimmung der Gebrauchseigenschaften
(IEC 61255:2014)

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

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Foreword

The text of document 59C/182/FDIS, future edition 2 of IEC 61255, 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 61255:2014.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-08-14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 61255:1994.

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 61255:2014 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 60335-2-17	NOTE	Harmonized as EN 60335-2-17.
ISO 3758	NOTE	Harmonized as EN ISO 3758.

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
ISO 2439	-	Flexible cellular polymeric materials - Determination of hardness (indentation technique)	EN ISO 2439	-

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HOUSEHOLD ELECTRIC HEATING PADS – METHODS FOR MEASURING PERFORMANCE

1 Scope

This International Standard applies to electric **heating pads** for household use.

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

This International Standard does not specify values for performance characteristics.

NOTE This International 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 62301:2011, *Household electrical appliances – Measurement of standby power*

ISO 2439, *Polymeric materials, cellular flexible – Determination of hardness (indentation technique)*

3 Terms and definitions

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

3.1

heating pad

appliance comprising a **flexible part** having a **heated area** not exceeding 0,3 m² on each face and which is intended to heat part of the human body

Note 1 to entry: If the **pad** is constructed in a cylindrical or similar form, the limit for **heated area** is 0,6 m².

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

heated area

area of the **flexible part** enclosed within the outer perimeter of the **heating element** or **electro-conductive textile**

Note 1 to entry: The **heated area** includes a margin outside the perimeter that has a width equal to 0,5 times the average distance between adjacent runs of the **heating element**.

Note 2 to entry: The **heated area** includes the return length of the **heating element** if the average distance between this part and the adjacent **heating element** does not exceed the average distance between adjacent runs of the **heating element**.