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ICS 97.100

Võtmesõnad: characteristics, heating pads, household electrical appliances, measurements, performance,

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ICS 97.100

Descriptors: Household electrical appliances, heating pads, performance, characteristics, measurements

ENGLISH VERSION

Household electric heating pads
Methods for measuring performance
(IEC 1255:1994)

Coussins chauffants électriques
pour usage domestique - Méthodes
de mesure de l'aptitude à la
fonction
(CEI 1255:1994)

Elektrische Haushalt-Heizkissen
Prüfung zur Bestimmung der
Gebrauchseigenschaften
(IEC 1255:1994)

This European Standard was approved by CENELEC on 1994-07-05.
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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 59C(CO)50, as prepared by Sub-Committee 59C: Heating appliances, of IEC Technical Committee 59: Performance of household electrical appliances, was submitted to the IEC-CENELEC parallel vote in February 1994.

The reference document was approved by CENELEC as EN 61255 on 5 July 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-07-01
- latest date of withdrawal of conflicting national standards (dow) 1995-07-01

ENDORSEMENT NOTICE

The text of the International Standard IEC 1255:1994 was approved by CENELEC as a European Standard without any modification.

This document is a preview

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC
61255**

Première édition
First edition
1994-06

**Coussins chauffants électriques pour usage
domestique –
Méthodes de mesure de l'aptitude à la fonction**

**Household electric heating pads –
Methods for measuring performance**



Numéro de référence
Reference number
CEI/IEC 61255: 1994

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Terminologie, symboles graphiques et littéraux

En ce qui concerne la terminologie générale, le lecteur se reportera à la CEI 60050: *Vocabulaire Electrotechnique International* (VEI).

Pour les symboles graphiques, les symboles littéraux et les signes d'usage général approuvés par la CEI, le lecteur consultera la CEI 60027: *Symboles littéraux à utiliser en électrotechnique*, la CEI 60417: *Symboles graphiques utilisables sur le matériel. Index, relevé et compilation des feuilles individuelles*, et la CEI 60617: *Symboles graphiques pour schémas*.

* Voir adresse «site web» sur la page de titre.

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- **Catalogue of IEC publications**
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- **IEC Bulletin**
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Terminology, graphical and letter symbols

For general terminology, readers are referred to IEC 60050: *International Electrotechnical Vocabulary* (IEV).

For graphical symbols, and letter symbols and signs approved by the IEC for general use, readers are referred to publications IEC 60027: *Letter symbols to be used in electrical technology*, IEC 60417: *Graphical symbols for use on equipment. Index, survey and compilation of the single sheets* and IEC 60617: *Graphical symbols for diagrams*.

* See web site address on title page.

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD ELECTRIC HEATING PADS –
METHODS FOR MEASURING PERFORMANCE**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. 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. The 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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- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

International standard IEC 1255 has been prepared by sub-committee 59C: Heating appliances, of IEC technical committee 59: Performance of household electrical appliances.

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

DIS	Report on voting
59C(CO)50	59C(CO)52

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

In this standard, the following print types are used:

- *test specifications: in italic type*
- notes: in small roman type
- other text: in roman type

Words in **bold** in the text are defined in clause 3.

HOUSEHOLD ELECTRIC HEATING PADS – METHODS FOR MEASURING PERFORMANCE

1 Scope

This standard applies to electric heating pads for household use.

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

This standard does not specify values for performance characteristics.

NOTE - This standard does not deal with safety requirements (IEC 967*).

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2439:1980, *Polymeric materials, cellular flexible – Determination of hardness (indentation technique)*.

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 **heating pad:** Appliance comprising a substantially flat flexible part having a heated area, measured on one face only, not exceeding 0,2 m² and which is designed for the local application of heat to the human body.

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 therein.

NOTE - The flexible part may be inside a detachable cover.

* IEC 967: 1988, *Safety of electrically heated blankets, pads and similar flexible heating appliances for household use.*