

Methods of

Measuring the performance of household electrical appliances —

Part 2: Thermal storage electric
water-heaters —

(Implementation of
CENELEC HD 500 S1)

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Light Electrical Engineering Standards Policy Committee (LEL/-) to Technical Committee LEL/94, upon which the following bodies were represented:

- Association for Consumer Research (ACRE)
- Association of Manufacturers of Domestic Electrical Appliances
- Consumer Policy Committee of BSI
- Department of Energy (Electricity Division)
- Electricity Supply Industry in England and Wales
- Good Housekeeping Institute
- Institution of Electrical and Electronics Incorporated Engineers
- Portable Electric Tool Manufacturers' Association
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Soap and Detergent Industry Association

This British Standard, having been prepared under the direction of the Light Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 30 September 1991

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First published November 1985
Second edition September 1991

The following BSI references relate to the work on this standard:
Committee reference LEL/94
Draft for comment 89/22121 DC

ISBN 0 580 20070 1

Amendments issued since publication

Amd. No.	Date	Comments

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Foreword

This revision of BS 3999-2 has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee. It supersedes BS 3999-2:1985 which is withdrawn.

The British Standard is technically equivalent to the IEC Publication 379:1987 “*Methods for measuring the performance of electric storage water-heaters for household purposes*” published by the International Electrotechnical Commission and the common modifications given in CENELEC document HD 500 S1 “*Methods to be used for measuring energy consumption of thermal storage water heaters and for the purpose of informing consumers of it*”.

The CENELEC Harmonization Document was approved by the CENELEC Technical Board on 4 December 1987.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Section 1. General

1 Scope

This standard applies to electric storage water-heaters for household purposes.

This standard does not apply to:

- water-heaters using other sources of energy (e.g. solar energy);
- water-heaters with more than one heated volume;
- water-heaters without thermal insulation.

2 Object

The purpose of this standard is to state and define the principal performance characteristics of electric storage water-heaters which are of interest to the user and to describe the standard methods for measuring these characteristics.

This standard is concerned neither with safety nor with performance requirements.