BRITISH STANDARD

BS 5775-12: 1993
ISO 31-12: 1992

Specification for

Quantities, units and symbols —

Part 12: Characteristic numbers

UDC 389.15/.16:53.081.6:006.72

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Document Sharing Hub

Full document details: BS 5775-12:1993

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Systems Department Steering Committee (S/-) to Technical Committee S/1, upon which the following bodies were represented:

Chartered Institution of Building Services Engineers
Department of Trade and Industry (National Physical Laboratory)
Department of Trade and Industry (National Weights and Measures Laboratory)
EEA (The Association of Electronics, Telecommunications and Business Equipment Industries)
Institute of Physics
Institute of Trading Standards Administration
Institution of Chemical Engineers
Institution of Electrical Engineers
Institution of Mechanical Engineers
Institution of Structural Engineers
Royal Society
Royal Society of Chemistry
Schools Mathematics Project
Society of Chemical Industry

This British Standard, having been prepared under the direction of the Systems Department Steering Committee, was published under the authority of the Standards Board and comes into effect on 15 March 1993

© BSI 12-1999

First published February 1982
Second edition March 1993

The following BSI references relate to the work on this standard:
Committee reference S/1
Draft for comment 90/55634 DC

ISBN 0 580 22004 4

Amendments issued since publication

Amd. No.	Date	Comments

Documents
Document Sharing Hub

Full document details: BS 5775-12:1993

Contents

		Page
Committees responsible		Inside front cover
National foreword		ii
Introduction		1
1	Scope	1
2	Characteristic numbers: momentum transport	2
3	Characteristic numbers: transport of heat	3
4	Characteristic numbers: transport of matter in a binary mixture	4
5	Characteristic numbers: constants of matter	5
6	Characteristic numbers: magnetohydrodynamics	6
List of references		Inside back cover

© BSI 12-1999

Documents
Document Sharing Hub
Full document details: BS 5775-12:1993

National foreword

This Part of BS 5775 has been prepared under the direction of the Systems Department Steering Committee. It is identical with ISO 31-12:1992 *Quantities and units — Part 12: Characteristic numbers*, published by the International Organization for Standardization (ISO). ISO 31-12 was prepared by Technical Committee ISO/TC 12, "Quantities, units, symbols, conversion factors" with the active participation and approval of the UK.

This Part of BS 5775 supersedes BS 5775-12:1982, which is withdrawn. The principal changes made in this revised version are as follows:

a) the decision by the International Committee for Weights and Measures (Comité International des Poids et Mesures, CIPM) in 1980 concerning the status of supplementary units has been incorporated;

b) the title has been changed.

BS 5775 comprises the following Parts, each of which is identical with the corresponding Part of ISO 31.

— *Part 0: General principles*;

— *Part 1: Space and time*;

— *Part 2: Periodic and related phenomena*;

— *Part 3: Mechanics*;

— *Part 4: Heat*;

— *Part 5: Electricity and magnetism*;

— *Part 6: Light and related electromagnetic radiations*;

— *Part 7: Acoustics*;

— *Part 8: Physical chemistry and molecular physics*;

— *Part 9: Atomic and nuclear physics*;

— *Part 10: Nuclear reactions and ionizing radiations*;

— *Part 11: Mathematical signs and symbols for use in the physical sciences and technology*;

— *Part 12: Characteristic numbers*;

— *Part 13: Solid state physics*.

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.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover 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.

© BSI 12-1999

AVA Documents Document Sharing Hub

Full document details: BS 5775-12:1993