

Specification for

Quantities, units and symbols —

Part 7: Acoustics

UDC 389.15/.16:534:006.72

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

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 07-1999

First published September 1979
Second edition March 1993

The following BSI references relate to the work on this standard:
Committee reference S/1
Draft for comment 90/54951 DC

ISBN 0 580 22001 X

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Introduction	1
1 Scope	2
2 Normative references	2
3 Names and symbols	2
List of references	Inside back cover

National foreword

This Part of BS 5775 has been prepared under the direction of the Systems Department Steering Committee. It is identical with ISO 31-7:1992 *Quantities and units — Part 7: Acoustics*, published by the International Organization for Standardization (ISO). ISO 31-7 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This Part of BS 5775 supersedes BS 5775-7:1979, which is withdrawn.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 special remark on logarithmic quantities and units has been elaborated;
- c) the annex on CGS units has been deleted

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.*

Cross-references

International standard	Corresponding British Standard
ISO 31-2:1992	BS 5775 <i>Specification for quantities, units and symbols</i> Part 2:1993 <i>Periodic and related phenomena</i> (Identical)
ISO 131:1979	BS 3045:1981 <i>Method of expression of physical and subjective magnitudes of sound or noise in air</i> (Technically equivalent)

There is no British Standard corresponding to ISO 16:1975 but since it is referred to, in the remarks to item 7-2, for information only, the validity of the standard is not affected.

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 to iv, pages 1 to 12, 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.

