

Airborne noise emitted by earth-moving machinery —

Part 2: Method of measurement at the operator's position in a stationary test condition

[ISO title: Acoustics — Measurement of airborne noise emitted by earth-moving machinery — Operator's position — Stationary test condition]

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- British Occupational Hygiene Society
- British Telecommunications plc
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- Department of Trade and Industry (Air Division)
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The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Agricultural Engineers Association
- British Compressed Air Society
- British Hydromechanics Research Association
- Cement Makers' Federation
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- Electricity Supply Industry in England and Wales
- Federation of Associations of Specialists and Sub-Contractors
- Federation of Manufacturers of Construction Equipment and Cranes
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- National Institute of Agricultural Engineering

This British Standard, having been prepared under the direction of the Environment and Pollution Standards Committee, was published under the authority of the Board of BSI and comes into effect on 27 February 1987

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National foreword

This Part of BS 6812 has been prepared under the direction of the Environment and Pollution Standards Committee. It is identical with ISO 6364:1985 “Acoustics — Measurement of airborne noise emitted by earth-moving machinery — Operator’s position — Stationary test condition”, published by the International Organization for Standardization (ISO).

ISO 6364 was prepared by Subcommittee 1, Noise, of ISO Technical Committee 43, Acoustics, with the active participation and approval of the UK. At present the following Parts of BS 6812 have been published.

- Part 1: Method for determination of compliance with limits for exterior noise using a stationary test condition;
- Part 2: Method of measurement at the operator’s position using a stationary test condition.

Further Parts of BS 6812 will be prepared, if required.

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following. The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “Part of BS 6812”.

Cross-references

International standards	Corresponding British Standards
ISO 3411:1982	BS 5538:1983 <i>Specification for minimum operator space envelope for earth-moving machinery</i> (Identical)
ISO 6165:1978	BS 5718:1979 <i>Glossary of terms for basic types of earth-moving machinery</i> (Identical)
ISO 6393:1985	BS 6812 <i>Airborne noise emitted by earth-moving machinery</i> Part 1:1987 <i>Method of measurement of exterior noise in a stationary test condition</i> (Identical)
IEC 651:1979	BS 5969:1981 <i>Specification for sound level meters</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 1585 and the draft of ISO 6081, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

Additional information. Clause 9.1 requires an instrumentation system that would determine the equivalent continuous A-weighted sound pressure level with an accuracy at least equal to that of type 1 in accordance with IEC 651. Type 1 sound level meters complying with BS 6698:1986 “Specification for integrating-averaging sound level meters” (which is identical to IEC 804:1985) fulfil this requirement.

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 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.