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Statistical methods for determining and verifying stated noise emission values of machinery and equipment —

Part 2: Method for determining and verifying stated values for individual machines

[ISO title: Acoustics — Statistical methods for determining and verifying stated noise emission values of machinery and equipment — Part 2: Methods for stated values for individual machines]

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1987**

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**EN 27574-2:
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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Environment and Pollution Standards Committee (EPC/-) to Technical Committee EPC/1, upon which the following bodies were represented:

Association of Consulting Engineers	Incorporated Association of Architects and Surveyors
British Broadcasting Corporation	Institute of Acoustics
British Occupational Hygiene Society	Institute of Occupational Hygienists
British Telecommunications plc	Institute of Physics
Department of Health and Social Security	Institute of Sound and Vibration Research
Department of the Environment (Building Research Establishment)	Institution of Civil Engineers
Department of Trade and Industry (Air Division)	Institution of Electronic and Radio Engineers
Department of Trade and Industry (National Physical Laboratory)	Petroleum Industry Association
Engineering Equipment and Materials Users' Association	Royal Institute of British Architects
Health and Safety Executive	Society of Environmental Engineers
	Transmission and Distribution Association (BEAMA Limited)

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

Advanced Manufacturing Technology Research Institute	Cement Makers' Federation
Agricultural Engineers' Association	Department of Trade and Industry (National Engineering Laboratory)
British Compressed Air Society	Hevac Association
British Engine Group of the Society of Motor Manufacturers and Traders	Institution of Mechanical Engineers
British Steel Corporation	Institution of Production Engineers
Business Equipment Trade Association	Rotating Electrical Machines Association (BEAMA Ltd.)

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 30 January 1987

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The following BSI references relate to the work on this standard:
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National foreword

This Part of BS 6805 has been prepared under the direction of the Environment and Pollution Standards Committee and is identical with ISO 7574-2:1985 “Acoustics — Statistical methods for determining and verifying stated noise emission values of machinery and equipment — Part 2: Methods for stated values for individual machines”. The standard was prepared by subcommittee 1, Noise, of Technical Committee 43, Acoustics, of the International Organization for Standardization (ISO) with the active participation and approval of the UK.

In 1988 the European Committee for Standardization (CEN) accepted ISO 7574-2:1985 as European Standard EN 27574-2:1988

BS 6805 at present comprises the following Parts.

- Part 1: Glossary of terms;
- Part 2: Method for determining and verifying stated values for individual machines;
- Part 3: Method for determining and verifying stated values for batches of machines using a simple (transition) method;
- Part 4: Methods for determining and verifying stated values for batches of machines.

Further Parts of BS 6805 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 throughout 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 “ISO 7574” or “part of ISO 7574” appear, referring to this standard, they should be read as “BS 6805” or “Part of BS 6805” respectively.

Cross-references

International Standard	Corresponding British Standard
ISO 3741:1975	BS 4196 <i>Sound power levels of noise sources</i> Part 1:1981 <i>Precision methods for determination of sound power levels for broad-band sources in reverberation rooms</i> (Identical)
ISO 3742:1975	Part 2:1981 <i>Precision methods for determination of sound power levels for discrete-frequency and narrow-band sources in reverberation rooms</i> (Identical)
ISO 3743:1976	Part 3:1981 <i>Engineering methods for determination of sound power levels for sources in special reverberation test rooms</i> (Identical)
ISO 3744:1981	Part 4:1981 <i>Engineering methods for determination of sound power levels for sources in free-field conditions over a reflecting plane</i> (Identical)
ISO 3745:1977	Part 5:1981 <i>Precision methods for determination of sound power levels for sources in anechoic and semi-anechoic rooms</i> (Identical)