

Acoustics — Measurement of insertion loss of ducted silencers without flow — Laboratory survey method

The European Standard EN ISO 11691:1995 has the status of a British Standard

ICS 17.140.20, 91.140.30

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The preparation of this British Standard was entrusted to Technical Committee EH/1, Acoustics, upon which the following bodies were represented:

- Association of Consulting Engineers
- British Broadcasting Corporation
- British Occupational Hygiene Society
- British Telecommunications plc
- Department of the Environment (Building Research Establishment)
- Department of Health
- Health and Safety Executive
- Institute of Acoustics
- Institute of Occupational Hygienists
- Institute of Sound and Vibration Research
- Institution of Electrical Engineers
- National Physical Laboratory
- Royal Institute of British Architects
- Society of Environmental Engineers

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

- Advanced Manufacturing Technology Research Institute
- Agricultural Engineers Association
- British Cement Association
- British Industrial Truck Association
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- Construction Industry Research and Information Association
- Engineering Industries Association
- Fan Manufacturers Association
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- Hevac Association
- Institution of Engineering Designers
- Institution of Mechanical Engineers
- National Engineering Laboratory
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- University of Liverpool
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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN ISO 11691	1
List of references	Inside back cover

National foreword

This British Standard has been prepared by Technical Committee EH/1 and is the English language version of EN ISO 11691:1995 *Acoustics — Measurement of insertion loss of ducted silencers without flow — Laboratory survey method*, published by the European Committee for Standardization (CEN). It is identical with ISO 11691:1995 published by the International Organization for Standardization (ISO).

Cross-reference

Publication referred to	Corresponding British Standard
ISO 3741:1988	BS 4196 <i>Sound power levels of noise sources</i> Part 1:1991 <i>Precision methods for determination of sound power levels for broad-band sources in reverberation rooms</i>
ISO 3743-1:1994	BS EN ISO 3743-1:1995 <i>Acoustics. Determination of sound power levels of noise sources. Engineering methods for small movable sources in reverberant fields.</i> Part 1: <i>Comparison for hard-walled test rooms</i>
ISO 3744:1994	BS EN ISO 3744:1995 <i>Acoustics. Determination of sound power levels of noise sources using sound pressure. Engineering method in an essentially free field over a reflecting plane</i>
ISO 7235:1991	BS EN ISO 7235:1996 <i>Acoustics. Measurement procedures for ducted silencers. Insertion loss, flow noise and total pressure loss</i>
ISO 9614-1:1993	BS EN ISO 9614-1:1995 <i>Acoustics. Determination of sound power levels of noise sources using sound intensity</i> Part 1. <i>Measurement at discrete points</i>
IEC 651:1979 (EN 60651:1994)	BS EN 60651:1994 <i>Specification for sound level meters</i>
IEC 804:1985 (EN 60804:1994)	BS EN 60804:1994 <i>Specification for integrating- averaging sound level meters</i>
IEC 942:1988	BS 7189:1989 <i>Specification for sound calibrators</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, page 2, the ISO title page, page 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.

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Descriptors: Acoustics, silencers, tests, laboratory tests, acoustic tests, acoustic measurements

English version

Acoustics – Measurement of insertion loss of
ducted silencers without flow – Laboratory survey
method (ISO 11691:1995)

Acoustique – Détermination de la perte
d'insertion de silencieux en conduit sans
écoulement – Méthode de mesurage en
laboratoire (ISO 11691:1995)

Akustik – Messungen an Schalldämpfern in
Kanälen ohne Strömung – Laborverfahren der
Genauigkeitsklasse 3 (ISO 11691:1995)

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