

# Determination of sound power levels of noise sources using sound intensity

Measurement by scanning (ISO 9614-2:1996)  
English version of DIN EN ISO 9614-2

**DIN****EN ISO 9614-2**

This standard incorporates the English version of **ISO 9614-2**.

ICS 17.140.10

Descriptors: Acoustics, noise source, sound intensity, testing.

Akustik – Bestimmung der Schalleistungspegel von Geräuschquellen aus Schallintensitätsmessungen – Teil 2: Messung mit kontinuierlicher Abtastung (ISO 9614-2:1996)

**European Standard EN ISO 9614-2:1996 has the status of a DIN Standard.**

*A comma is used as the decimal marker.*

## National foreword

This standard has been published in accordance with a decision taken by CEN/TC 211 to adopt, without alteration, International Standard ISO 9614-2 as a European Standard.

The responsible German body involved in its preparation was the *Normenausschuß Akustik, Lärminderung und Schwingungstechnik* (Acoustics, Noise Control and Vibration Engineering Standards Committee), Technical Committee *Geräuschemissionsmessung von Maschinen und Anlagen*.

The DIN Standards corresponding to the International Standards and the IEC Publications referred to in clause 2 of the EN are as follows:

ISO/IEC Standard	DIN Standard
ISO 3740	DIN 45635-1
ISO 3741	DIN EN 23741
ISO 3742	DIN EN 23742
ISO 3743-2	DIN EN ISO 3743-2*)
ISO 3744	DIN EN ISO 3744
ISO 3745	DIN 45635-1
ISO 3746	DIN EN ISO 3746
ISO 3747	DIN 45635-1
ISO 5725-1	DIN ISO 5725-1
ISO 7574-1	DIN EN 27574-1
ISO 7574-4	DIN EN 27574-4
ISO/TR 7849	DIN 45635-8
ISO 9614-1	DIN EN ISO 9614-1
ISO 12001	DIN ISO 12001*)
IEC 942	DIN IEC 942
IEC 1043	DIN EN 61043

\*) At present at the stage of draft.

Continued overleaf.  
EN comprises 23 pages.

## **Standards referred to**

(and not included in **Normative references** and Bibliography)

DIN 45635-1

Measurement of noise emitted by machines – Airborne noise measurement – Enveloping surface method – Basic method, giving three different grades of accuracy

DIN 45635-8

Measurement of noise emitted by machines – Airborne noise measurement – Basic method

DIN EN 23741

Determination of sound power levels of noise sources – Precision methods for broad-band sources in reverberation rooms (ISO 3741:1988)

DIN EN 23742

Acoustics – Determination of sound power levels of noise sources – Precision methods for discrete-frequency and narrow-band sources in reverberation rooms (ISO 3742:1988)

DIN EN 27574-1

Acoustics – Statistical methods for determining and verifying stated noise emission values of machinery and equipment – General considerations and definitions (ISO 7574-1:1985)

DIN EN 27574-4

Acoustics – Statistical methods for determining and verifying stated noise emission values of machinery and equipment – Method for stated values for batches of machines (ISO 7574-4:1985)

DIN EN 61043

Electroacoustics – Instruments for the measurement of sound intensity – Measurement with pairs of pressure sensing microphones (IEC 1043:1993)

DIN EN ISO 3743-2

Determination of sound power levels of noise sources by engineering methods for small, movable sources in reverberant fields – Methods for special reverberation test rooms (ISO 3743-2:1994)

DIN EN ISO 3744

Acoustics – Determination of sound power levels of noise sources using sound pressure – Engineering method in an essentially free field over a reflecting plane (ISO 3744:1994)

DIN EN ISO 3746

Determination of sound power levels of noise sources using sound pressure – Survey method using an enveloping measurement surface over a reflecting plane (ISO 3746:1995)

DIN EN ISO 9614-1

Determination of sound power levels of noise sources using sound intensity – Measurement at discrete points (ISO 9614-1:1993)

ICS 17.140.10

Descriptors: Acoustics, noise source, sound intensity, testing.

**English version**

Acoustics

**Determination of sound power levels of noise  
sources using sound intensity**

**Part 2: Measurement by scanning  
(ISO 9614-2:1996)**

Acoustique – Détermination par intensimé-  
trie des niveaux de puissance acoustique  
émis par les sources de bruit – Partie 2:  
Mesurages par balayage  
(ISO 9614-2:1996)

Akustik – Bestimmung der Schalleistungs-  
pegel von Geräuschquellen aus Schall-  
intensitätsmessungen – Teil 2: Messung  
mit kontinuierlicher Abtastung  
(ISO 9614-2:1996)

This European Standard was approved by CEN on 1996-05-19 and is identical to the ISO Standard as referred to.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

## Foreword

International Standard

ISO 9614-2:1996 Acoustics – Determination of sound power levels of noise sources using sound intensity – Measurement by scanning,

which was prepared by ISO/TC 43 'Acoustics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 211 'Acoustics' as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 1997 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 9614-2:1996 was approved by CEN as a European Standard without any modification.