



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61220:1996

ICS 11.040.01

17.140.50

**ULTRASONICS – FIELDS GUIDANCE FOR  
THE MEASUREMENT AND  
CHARACTERISATION OF ULTRASONIC  
FIELDS GENERATED BY MEDICAL  
ULTRASONIC EQUIPMENT USING  
HYDROPHONES IN THE FREQUENCY  
RANGE 0,5 MHZ TO 15MHZ (IEC 1220:1993)**

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and comes into effect on:  
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Údarás um Chaighdeáin Náisiúnta na hÉireann



## DECLARATION

OF

SPECIFICATION

ENTITLED

ULTRASONICS – FIELDS GUIDANCE FOR THE MEASUREMENT AND CHARACTERISATION OF ULTRASONIC FIELDS GENERATED BY MEDICAL ULTRASONIC EQUIPMENT USING HYDROPHONES IN THE FREQUENCY RANGE 0,5 MHZ TO 15MHZ (IEC 1220:1993)

AS

THE IRISH STANDARD SPECIFICATION FOR

ULTRASONICS – FIELDS GUIDANCE FOR THE MEASUREMENT AND CHARACTERISATION OF ULTRASONIC FIELDS GENERATED BY MEDICAL ULTRASONIC EQUIPMENT USING HYDROPHONES IN THE FREQUENCY RANGE 0,5 MHZ TO 15MHZ (IEC 1220:1993)

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Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification ( Ultrasonics – Fields Guidance for the Measurement and Characterisation of Ultrasonic Fields Generated by Medical Ultrasonic Equipment Using Hydrophones in the Frequency Range 0,5 MHz to 15MHz (IEC 1220:1993) ) Declaration, 1996.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Ultrasonics – Fields Guidance for the Measurement and Characterisation of Ultrasonic Fields Generated by Medical Ultrasonic Equipment Using Hydrophones in the Frequency Range 0,5 MHz to 15MHz (IEC 1220:1993). The Schedule comprises the text of EN 61220 : 1995.  
  
(2) The said standard specification may be cited as Irish Standard/EN 61220:1996 or as I.S./EN 61220:1996.



EUROPEAN STANDARD

**EN 61220**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1995

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ICS 11.040.50; 19.080

Descriptors: Ultrasound, ultrasonic field, medical electrical equipment, measurement, characterization

English version

### **Ultrasonics - Fields**

## **Guidance for the measurement and characterization of ultrasonic fields generated by medical ultrasonic equipment using hydrophones in the frequency range 0,5 MHz to 15 MHz (IEC 1220:1993)**

Ultrasons - Champs  
Guide pour les mesures et  
caractéristiques des champs  
ultrasonores produits par des appareils  
médicaux à ultrasons utilisant des  
hydrophones dans la gamme de  
fréquences de 0,5 MHz à 15 MHz  
(CEI 1220:1993)

Ultraschall - Felder  
Anleitung für die Messung und  
Kennzeichnung der durch medizinische  
Ultraschallgeräte erzeugten  
Ultraschallfelder mittels Hydrophonen im  
Frequenzbereich 0,5 MHz bis 15 MHz  
(IEC 1220:1993)

This European Standard was approved by CENELEC on 1994-12-06. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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

# **CENELEC**

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

### Foreword

The text of the International Standard IEC 1220:1993, prepared by IEC TC 87, Ultrasonics, was submitted to the formal vote and was approved by CENELEC as EN 61220 on 1994-12-06 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 1995-12-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1995-12-01

Annexes designated "normative" are part of the body of the standard.  
Annexes designated "informative" are given for information only.  
In this standard, annexes A and ZA are normative and annex B is informative.  
Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 1220:1993 was approved by CENELEC as a European Standard without any modification.

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