



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61101:1994

ICS 11.040.50

**THE ABSOLUTE CALIBRATION OF  
HYDROPHONES USING THE PLANAR  
SCANNING TECHNIQUE IN THE FREQUENCY  
RANGE 0.5 MHZ TO 15 MHZ (IEC 1101:1991)**

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Údarás um Chaighdeán Náisiúnta na hÉireann



## DECLARATION

OF

SPECIFICATION

ENTITLED

THE ABSOLUTE CALIBRATION OF HYDROPHONE USING THE PLANAR SCANNING  
TECHNIQUE IN THE FREQUENCY RANGE 0.5 MHZ TO 15 MHZ (IEC 1101:1991)

AS

THE IRISH STANDARD SPECIFICATION FOR

THE ABSOLUTE CALIBRATION OF HYDROPHONE USING THE PLANAR SCANNING  
TECHNIQUE IN THE FREQUENCY RANGE 0.5 MHZ TO 15 MHZ (IEC 1101:1991)

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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 (The Absolute Calibration of Hydrophone Using the Planar Scanning Technique in the Frequency Range 0.5 MHz to 15 MHz (IEC 1101:1991)) Declaration, 1994.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for The Absolute Calibration of Hydrophone Using the Planar Scanning Technique in the Frequency Range 0.5 MHz to 15 MHz (IEC 1101:1991). The Schedule comprises the text of EN 61101 : 1994.

(2) The said standard specification may be cited as Irish Standard/EN 61101:1994 or as I.S./EN 61101:1994.



EUROPEAN STANDARD

EN 61101

NORME EUROPEENNE

EUROPÄISCHE NORM

November 1993

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UDC 621.386:534.86:53.089.6

Descriptors: Ultrasound, hydrophone, calibration

ENGLISH VERSION

The absolute calibration of hydrophones using the planar scanning technique in the frequency range 0,5 MHz to 15 MHz  
(IEC 1101:1991)

L'étalonnage absolu des hydrophones par la technique du balayage planaire dans la gamme de fréquences de 0,5 MHz à 15 MHz  
(CEI 1101:1991)

Die absolute Kalibrierung von Hydrophonen nach dem Planar-Scanning-Verfahren im Frequenzbereich von 0,5 MHz bis 15 MHz  
(IEC 1101:1991)

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This European Standard was approved by CENELEC on 1993-09-22. 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

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### FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1101:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 61101 on 22 September 1993.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-10-01
- latest date of withdrawal of conflicting national standards (dow) 1994-10-01

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given only for information. In this standard, annexes A, B and C are informative and annex ZA is normative.

### ENDORSEMENT NOTICE

The text of the International Standard IEC 1101:1991 was approved by CENELEC as a European Standard without any modification.

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