



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60444-8:2003**

ICS 31.140

**MEASUREMENT OF QUARTZ CRYSTAL UNIT  
PARAMETERS  
PART 8: TEST FIXTURE FOR SURFACE  
MOUNTED QUARTZ CRYSTAL UNITS  
(IEC 60444-8:2003)**

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EUROPEAN STANDARD

**EN 60444-8**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2003

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ICS 31.140

English version

**Measurement of quartz crystal unit parameters**  
**Part 8: Test fixture for surface mounted quartz crystal units**  
(IEC 60444-8:2003)

Mesure des paramètres  
des résonateurs à quartz  
Partie 8: Dispositif d'essai  
pour les résonateurs à quartz  
montés en surface  
(CEI 60444-8:2003)

Messung von Schwingquarz-Parametern  
Teil 8: Prüfaufbau für oberflächen-  
montierbare Schwingquarze  
(IEC 60444-8:2003)

This European Standard was approved by CENELEC on 2003-10-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 text of document 49/599/FDIS, future edition 1 of IEC 60444-8, prepared by IEC TC 49, Piezoelectric and dielectric devices for frequency control and selection, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60444-8 on 2003-10-01.

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) 2004-07-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2006-10-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60444-8:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60444-4      NOTE      Harmonized as EN 60444-4:1997 (not modified).

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60444-1	1986	Measurement of quartz crystal unit parameters by zero phase technique in a pi-network Part 1: Basic method for the measurement of resonance frequency and resonance resistance of quartz crystal units by zero phase technique in a pi-network	EN 60444-1	1997
IEC 60444-2	1980	Part 2: Phase offset method for measurement of motional capacitance of quartz crystal units	EN 60444-2	1997
IEC 60444-5	1995	Part 5: Methods for the determination of equivalent electrical parameters using automatic network analyzer techniques and error correction	EN 60444-5	1997
IEC 61240	1994	Piezoelectric devices - Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection - General rules	EN 61240	1997



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