Irish Standard
I.S. EN 61620:1999

Insulating liquids - Determination of the dielectric dissipation factor by measurement of the conductance and capacitance - Test method

I.S. EN 61620:1999

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

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This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 61620

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Descriptors: Electrical insulating materials, liquid electrical insulating materials, tests, electric measurements, dissipation factor, capacitance, procedure, test equipment, labelling

English version

Insulating liquids
Determination of the dielectric dissipation factor by measurement of the conductance and capacitance
Test method
(IEC 61620:1998)

Isolants liquides
Détermination du facteur de dissipation diélectrique par la mesure de la conductance et de la capacité
Méthode d'essai
(CEI 61620:1998)

Isolierflüssigkeiten
Bestimmung des Permittivitäts-Verlustfaktors durch Messung der Konduktanz (Leitfähigkeit) und Kapazität
Prüfverfahren
(IEC 61620:1998)

This European Standard was approved by CENELEC on 1999-01-01. 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, 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

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Ref. No. EN 61620:1999 E

Foreword

The text of document 10/446+446A/FDIS, future edition 1 of IEC 61620, prepared by IEC TC 10, Fluids for electrotechnical applications, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61620 on 1999-01-01.

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) 1999-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2001-10-01

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

Endorsement notice

The text of the International Standard IEC 61620:1998 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex D, Bibliography, the following notes have to be added for the standards indicated:

IEC 60836	NOTE: Harmonized as HD 565 S1:1993 (not modified).
IEC 60867	NOTE: Harmonized as EN 60867:1994 (not modified).
IEC 60963	NOTE: Harmonized as HD 582 S1:1991 (not modified).
IEC 61099	NOTE: Harmonized as EN 61099:1992 (not modified).

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.

Publication	Year	Title	EN/HD	Year
IEC 60247	1978	Measurement of relative permittivity, dielectric dissipation factor and d.c. resistivity of insulating liquids	-	-
IEC 60475	1974	Method of sampling liquid dielectrics	-	-
ISO 5725-1	1994	Accuracy (trueness and precision) of measurement methods and results Part 1: General principles and definitions	-	-
ISO 5725-2	1994	Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method	-	-
ISO 5725-3	1994	Part 3: Intermediate measures of the precision of a standard measurement method	-	-
ISO 5725-4	1994	Part 4: Basic methods for the determination of the trueness of a standard measurement method	-	-

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