



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50470-1:2006

ICS 91.140.50

ELECTRICITY METERING EQUIPMENT

(A.C.) -- PART 1: GENERAL

REQUIREMENTS, TESTS AND TEST

CONDITIONS - METERING EQUIPMENT

(CLASS INDEXES A, B AND C)

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EUROPEAN STANDARD
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EN 50470-1

October 2006

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English version

**Electricity metering equipment (a.c.)
Part 1: General requirements, tests and test conditions -
Metering equipment (class indexes A, B and C)**

Equipement de comptage
d'électricité (c.a.)
Partie 1: Prescriptions générales,
essais et conditions d'essai -
Equipement de comptage
(classes de précision A, B et C)

Wechselstrom-Elektrizitätszähler
Teil 1: Allgemeine Anforderungen,
Prüfungen und Prüfbedingungen -
Messeinrichtungen
(Genauigkeitsklassen A, B und C)

This European Standard was approved by CENELEC on 2006-05-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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

This European Standard was prepared by the Technical Committee CENELEC TC 13, Equipment for electrical energy measurement and load control.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50470-1 on 2006-05-01.

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) 2007-05-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-05-01

This EN 50470-1 is related to EN 62052-11:2003, *Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment*.

The structure of the two standards is similar, modifications in this European Standard are provided in the perspective of compliance with the essential requirements of the Directive 2004/22/EC on Measuring Instruments (MID).

This standard is to be used with:

- EN 50470-2:2006, *Electricity metering equipment (a.c.) – Part 2: Particular requirements – Electromechanical meters for active energy (class indexes A and B)* or
- EN 50470-3:2006, *Electricity metering equipment (a.c.) – Part 3: Particular requirements – Static meters for active energy (class indexes A, B and C)*.

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directives 89/336/EMC and 2004/22/EC. See Annex ZZ.

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