

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)

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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

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- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-05-01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

Foreword to amendment A1

This document (EN 50470-1:2006/A1:2018) was prepared by CLC/TC 13 "Electrical energy measurement and control".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-08-27
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2021-08-27

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directives.

For the relationship with EU Directive(s) see informative Annex ZZA and Annex ZZB, which are integral parts of this document.