

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



Electricity metering equipment (a.c.) – General requirements, tests and test conditions –

Part 11: Metering equipment

Équipement de comptage de l'électricité (c.a.) – Prescriptions générales, essais et conditions d'essai –

Partie 11: Équipement de comptage

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GENERAL REQUIREMENTS, TESTS AND TEST CONDITIONS –****Part 11: Metering equipment****FOREWORD**

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This Consolidated version of IEC 62052-11 bears the edition number 1.1. It consists of the first edition (2003-02) [documents 13/1285/FDIS and 13/1292/RVD] and its amendment 1 (2016-11) [documents 13/1700/FDIS and 13/1714/RVD]. The technical content is identical to the base edition and its amendment.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 62052-11 has been prepared by IEC technical committee 13: Equipment for electrical energy measurement and load control.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,
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It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 2 years from the date of publication.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

This part of IEC 62052 is to be used with relevant parts of the IEC 62052, IEC 62053 and IEC 62059 series, Electricity metering equipment:

IEC 62052-31:2015, Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests

IEC 62053-11:2002, Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2) Replaces particular requirements of IEC 60521:1988 (2nd edition)

IEC 62053-21: 2002, Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2) Replaces particular requirements of IEC 61036: 2000 (2nd edition)

IEC 62053-22:2002, Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S) Replaces particular requirements of IEC 60687:1992 (2nd edition)

IEC 62053-23:2002, Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3) Replaces particular requirements of IEC 61268:1995 (1st edition)

IEC 62053-24:2014, Electricity metering equipment (AC) – Particular requirements – Part 24: Static meters for reactive energy (classes 0,5 S, 1 S and 1)

IEC 62053-31:1998, Electricity metering equipment (a.c.) – Particular requirements – Part 31: Pulse output devices for electromechanical and electronic meters (two wires only)

IEC 62053-61:1998, Electricity metering equipment (a.c.) – Particular requirements – Part 61: Power consumption and voltage requirements

IEC 62059-11:2002, Electricity metering equipment (a.c.) – Dependability – Part 11: General concepts

IEC 62059-21:2002, Electricity metering equipment (a.c.) – Dependability – Part 21: Collection of meter dependability data from the field

This part is a standard for type testing electricity meters. It covers the general requirements for “normal meters”, being used indoors and outdoors in large quantities worldwide. It does not deal with special implementations (such as metering-part and/or displays in separate housings).

This standard is intended to be used in conjunction with the appropriate part of IEC 62053 for the type of equipment under consideration.

This standard distinguishes between

- meters intended to be used indoors and outdoors; and
- protective class I and protective class II meters;
- meters for use in networks equipped with or without earth fault neutralizers.

The test levels are regarded as minimum values to guarantee the proper functioning of the meter under normal working conditions. For special application, other test levels might be necessary and should be agreed upon between the user and the manufacturer.

INTRODUCTION TO AMENDMENT 1

The purpose of this amendment is to identify and remove all safety related requirements and tests of IEC 62052-11:2003 that are replaced and extended by the complete set of requirements and tests in IEC 62052-31:2015.