



SLOVENSKI STANDARD
SIST EN 61036:1998/A1:2001
01-februar-2001

Alternating current static watt-hour meters for active energy (classes 1 and 2)

Alternating current static watt-hour meters for active energy (classes 1 and 2)

Elektronische Wechselstrom-Wirkverbrauchsähler (Genauigkeitsklassen 1 und 2)

Compteurs statiques d'énergie active pour courant alternatif (classes 1 et 2)

Ta slovenski standard je istoveten z: EN 61036:1996/A1:2000

[SIST EN 61036:1998/A1:2001](https://standards.iteh.ai/catalog/standards/sist/14bca1ef-c005-412f-b3f5-1406d3a5f3b3/sist-en-61036-1998-a1-2001)

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ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

SIST EN 61036:1998/A1:2001 en

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EUROPEAN STANDARD

EN 61036/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2000

ICS 91.140.50

English version

**Alternating current static watt-hour meters for active energy
(classes 1 and 2)
(IEC 61036:1996/A1:2000)**

Compteurs statiques d'énergie active
pour courant alternatif (classes 1 et 2)
(CEI 61036:1996/A1:2000)

Elektronische Wechselstrom-
Wirkverbrauchsähler
(Genauigkeitsklassen 1 und 2)
(IEC 61036:1996/A1:2000)

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This amendment A1 modifies the European Standard EN 61036:1996; it was approved by CENELEC on 2000-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 13/1202/FDIS, future amendment 1 to IEC 61036:1996, prepared by IEC TC 13, Equipment for electrical energy measurement and load control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 61036:1996 on 2000-06-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2001-03-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2003-06-01

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

Endorsement notice

The text of amendment 1:2000 to the International Standard IEC 61036:1996 was approved by CENELEC as an amendment to the European Standard without any modification.

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Annex ZA (normative)**Normative references to international publications
with their corresponding European publications****Delete** the references to:

- IEC 185:1987

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
Add:				
IEC 60068-2-75	1997	Environmental testing Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 61000-4-6	1996	Electromagnetic compatibility (EMC) Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	1996
IEC 62053-31	1998	Electricity metering equipment (a.c.) Particular requirements -- Part 31: Pulse output devices for electromechanical and electronic meters (two wires only)	EN 62053-31	1998
Replace IEC 185 by:		https://standards.iteh.ai/catalog/standards/sist/14bca1ef-c005-412f-b3f5-1406d3a5f3b3/sist-en-61036-1998-a1-2001		
IEC 60044-1 (mod)	1996	Instrument transformers Part 1: Current transformers	EN 60044-1	1999

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
61036

1996

AMENDEMENT 1
AMENDMENT 1
2000-04

Amendement 1

**Compteurs statiques d'énergie active
pour courant alternatif (Classes 1 et 2)**

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Amendment 1
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**Alternating current static watt-hour meters
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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

K

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by IEC technical committee 13: Equipment for electrical energy measurement and load control.

The text of this amendment is based on the following documents:

FDIS	Report on voting
13/1202/FDIS	13/1211/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this publication and its amendments will remain unchanged until 2002. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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Page 13

2 Normative references

Insert, on pages 15 and 17, in the appropriate numerical position, the title of the following standards:

IEC 60068-2-75:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 61000-4-6:1996, *Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 6: Immunity to conducted disturbances, induced by radio-frequency fields*

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

Delete, on page 15, the following standard:

IEC 269-1:1986, *Low-voltage fuses – Part 1: General requirements*

Replace, on page 15, IEC 185 by:

IEC 60044-1:1996, *Instrument transformers – Part 1: Current transformers*

Page 19

3.2 Definitions related to the functional elements

Add, after 3.2.2.2, the following new definitions:

3.2.2.3

pulse

wave that departs from an initial level for a limited duration of time and ultimately returns to the original level

3.2.2.4

pulse device (for electricity metering)

functional unit for emitting, transmitting, retransmitting or receiving electric pulses, representing finite quantities, such as energy normally transmitted from some form of electricity meter to a receiver unit

3.2.2.5

pulse output device (pulse output)

pulse device for emitting pulses

3.2.2.6

optical test output

optical pulse output device that is used for testing the meter

3.2.2.7

electrical test output

electrical pulse output device that is used for testing the meter

3.2.2.8

receiving head

functional unit for receiving pulses emitted by an optical pulse output

Page 35

4.2.11 Display of measured values

Replace the second sentence of the second paragraph by the following:

When displaying the memory, the identification of each tariff applied shall be possible and, for automatic sequencing displays, each display of register for billing purposes shall be retained for a minimum of 5 s.

Page 37

4.2.12 Output device

Replace the existing subclause by the following:

The meter shall have a test output capable of being monitored with suitable testing equipment.