



**SLOVENSKI STANDARD**  
**SIST EN IEC 61869-10:2018**  
**01-maj-2018**

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**Merilni transformatorji - 10. del: Dodatne zahteve za pasivne tokovne transformatorje majhne moči (IEC 61869-10:2017)**

Instrument transformers - Part 10: Additional requirements for low-power passive current transformers (IEC 61869-10:2017)

**Ta slovenski standard je istoveten z: EN IEC 61869-10:2018**

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**ICS:**

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
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**SIST EN IEC 61869-10:2018**                      **en**



EUROPEAN STANDARD

**EN IEC 61869-10**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 17.220.20

English Version

**Instrument transformers - Part 10: Additional requirements for  
low-power passive current transformers  
(IEC 61869-10:2017)**

Transformateurs de mesure - Partie 10: Exigences  
supplémentaires concernant les transformateurs de courant  
passifs de faible puissance  
(IEC 61869-10:2017)

Messwandler - Teil 10: Zusätzliche Anforderungen für  
Kleinsignal-Stromwandler  
(IEC 61869-10:2017)

This European Standard was approved by CENELEC on 2018-01-17. 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.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 61869-10:2018 (E)****European foreword**

The text of document 38/550/FDIS, future edition 1 of IEC 61869-10, prepared by IEC/TC 38 "Instrument transformers" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61869-10:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-10-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-01-17

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**Endorsement notice**

The text of the International Standard IEC 61869-10:2017 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60059	-	IEC standard current ratings	EN 60059	-
IEC 61869-6	2016	Instruments transformers -- Part 6: Additional general requirements for Low Power Instrument Transformers	EN 61869-6	2016





IEC 61869-10

Edition 1.0 2017-12

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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**Instrument transformers –  
Part 10: Additional requirements for low-power passive current transformers**

**Transformateurs de mesure –  
Partie 10: Exigences supplémentaires concernant les transformateurs de  
courant passifs de faible puissance**

INTERNATIONAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**INSTRUMENT TRANSFORMERS –****Part 10: Additional requirements  
for low-power passive current transformers****FOREWORD**

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International Standard IEC 61869-10 has been prepared IEC technical committee 38: Instrument transformers.

This first edition of IEC 61869-10, together with IEC 61869-1, IEC 61869-6, IEC 61869-8 and IEC 61869-9, cancels and replaces the first edition of IEC 60044-8, published in 2002<sup>1</sup>. This edition constitutes a technical revision.

The technical changes concern IEC TC 38's decision to restructure the whole set of stand-alone standards in the IEC 60044 series and transform it into a new set of standards composed of general requirements documents and specific requirements documents.

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<sup>1</sup> IEC 60044-8 will eventually be replaced by the IEC 61869 series, but until all the relevant parts of the IEC 61869 series will be published, this standard is still in force.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
38/550/FDIS	38/551/RVD

Full information on the voting for the approval of this part of IEC 61869 can be found in the report on voting indicated in the above table.

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

This standard is Part 10 of IEC 61869, published under the general title *Instrument transformers*.

This Part 10 is to be read in conjunction with, and is based on, IEC 61869-1:2007, *General requirements* and IEC 61869-6:2016, *Additional general requirements for low-power instrument transformers* – however, the reader is encouraged to use the most recent edition of these documents.

This Part 10 follows the structure of IEC 61869-1:2007 and IEC 61869-6:2016 and supplements or modifies the corresponding clauses.

When a particular subclause of Part 1 or part 6 is not mentioned in this Part 10, that subclause applies. When this part of IEC 61869 states “addition”, “modification” or “replacement”, the relevant text in part 1 or part 6 is to be adapted accordingly.

For additional clauses, subclauses, figures, tables, annexes or note, the following numbering system is used:

- clauses, subclauses, tables, figures and notes that are numbered starting from 1001 are additional to those in Part 1 and Part 6;
- additional annexes are lettered 10A, 10B, etc.

An overview of the planned set of standards at the date of publication of this document is given below. The updated list of standards issued by IEC TC 38 is available on the IEC website.

PRODUCT FAMILY STANDARDS	PRODUCT STANDARD	PRODUCTS	OLD STANDARD
IEC 61869-1 GENERAL REQUIREMENTS	IEC 61869-2	ADDITIONAL REQUIREMENTS FOR CURRENT TRANSFORMERS	IEC 60044-1 IEC 60044-6
	IEC 61869-3	ADDITIONAL REQUIREMENTS FOR INDUCTIVE VOLTAGE TRANSFORMERS	IEC 60044-2
	IEC 61869-4	ADDITIONAL REQUIREMENTS FOR COMBINED TRANSFORMERS	IEC 60044-3
	IEC 61869-5	ADDITIONAL REQUIREMENTS FOR CAPACITIVE VOLTAGE TRANSFORMERS	IEC 60044-5
IEC 61869-6 ADDITIONAL GENERAL REQUIREMENTS FOR LOW-POWER INSTRUMENT TRANSFORMERS	IEC 61869-7	ADDITIONAL REQUIREMENTS FOR ELECTRONIC VOLTAGE TRANSFORMERS	IEC 60044-7
	IEC 61869-8	SPECIFIC REQUIREMENTS FOR ELECTRONIC CURRENT TRANSFORMERS	IEC 60044-8
	IEC 61869-9	DIGITAL INTERFACE FOR INSTRUMENT TRANSFORMERS	
	IEC 61869-10	ADDITIONAL REQUIREMENTS FOR LOW-POWER PASSIVE CURRENT TRANSFORMERS	
	IEC 61869-11	ADDITIONAL REQUIREMENTS FOR LOW-POWER PASSIVE VOLTAGE TRANSFORMERS	IEC 60044-7
	IEC 61869-12	ADDITIONAL REQUIREMENTS FOR COMBINED ELECTRONIC INSTRUMENT TRANSFORMER OR COMBINED LOW-POWER PASSIVE INSTRUMENT TRANSFORMERS	
	IEC 61869-13	STAND-ALONE MERGING UNIT	
	IEC 61869-14	ADDITIONAL REQUIREMENTS FOR CURRENT TRANSFORMERS FOR DC APPLICATIONS	
	IEC 61869-15	ADDITIONAL REQUIREMENTS FOR VOLTAGE TRANSFORMERS FOR DC APPLICATIONS	