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**Varnostne zahteve za električno opremo za meritve, nadzor in laboratorijsko uporabo - 2-033. del: Posebne zahteve za ročne multimetre in druge merilnike za domačo in profesionalno uporabo, ki omogočajo merjenje omrežne napetosti - Dopolnilo A11**

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters and other meters for domestic and professional use, capable of measuring mains voltage

Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 2-033: Besondere Anforderungen an handgehaltene Multimeter und andere handgehaltene Messgeräte für den Haushalt und professionellen Gebrauch, geeignet zur Messung von Netzspannungen

<https://standards.iteh.ai/catalog/standards/sist/57ecf533-8170-4600-9000-000000000000/sist-en-iec-61010-2-033:2022/a11:2022>

Exigences de sécurité pour appareils électriques de mesurage, de régulation et de laboratoire - Partie 2-033: Exigences particulières pour les multimètres portatifs pour usage domestique et professionnel, capables de mesurer la tension réseau

**Ta slovenski standard je istoveten z: EN IEC 61010-2-033:2021/A11:2021**

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**ICS:**

19.080	Električno in elektronsko preskušanje	Electrical and electronic testing
71.040.10	Kemijski laboratoriji. Laboratorijska oprema	Chemical laboratories. Laboratory equipment

**SIST EN IEC 61010-2-033:2022/A11:2022 en,fr,de**

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b883-4bf3-baf8-bb0042f78445/sist-en-iec-61010-2-033-  
2022-a11-2022](https://standards.iteh.ai/catalog/standards/sist/57ecf533-b883-4bf3-baf8-bb0042f78445/sist-en-iec-61010-2-033-2022-a11-2022)

EUROPEAN STANDARD

EN IEC 61010-2-033:2021/A11

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2021

ICS 19.080; 71.040.10

English Version

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring mains voltage

Exigences de sécurité pour appareils électriques de mesure, de régulation et de laboratoire - Partie 2-033: Exigences particulières pour les multimètres portatifs pour usage domestique et professionnel, capables de mesurer la tension réseau

Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 2-033: Besondere Anforderungen an handgehaltene Multimeter und andere handgehaltene Messgeräte für den Haushalt und professionellen Gebrauch, geeignet zur Messung von Netzspannungen

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This amendment A11 modifies the European Standard EN IEC 61010-2-033:2021; it was approved by CENELEC on 2021-01-18. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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 61010-2-033:2021/A11:2021 (E)****European foreword**

This document (EN IEC 61010-2-033:2021/A11:2021) has been prepared by CLC/TC 66X "Safety of measuring, control, and laboratory equipment".

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) 2022-05-12
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2024-11-12

This document amends EN IEC 61010-2-033:2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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## 1 Modification to 6.8.3.2, “The d.c. voltage test”

*Add a new sentence at the beginning of the first paragraph:*

*The voltage tester shall have a regulated output capable of maintaining the test voltage throughout the test within  $\pm 5\%$  of the specified value.”*

## 2 Modifications to K.101.4.1, “General”

*Replace the second paragraph of K.101.4.1.1 with the following note:*

“

NOTE 1 The manufacturer is supposed to take the expected life of the hand-held multimeter into account when selecting insulating materials.”

*As a result of this, renumber the existing note of K.101.4.1.1 as NOTE 2.*

## 3 Addition of Annex ZA, “Normative references to international publications with their corresponding European publications”

*Add the following Annex ZA:*

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## EN IEC 61010-2-033:2021/A11:2021 (E)

## Annex ZA

(normative)

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

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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).

*Annex ZA of EN 61010-1:2010<sup>1</sup> is applicable, with the following addition:*

Publication	Year	Title	EN/HD and IEC/ISO	Year
IEC 61010-031:2015	2015	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement	EN 61010-031	2015
+A1	2018		+A1	2021
			+A11	2021
IEC 61010-2-032	-	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement	EN 61010-2-032	2021
			+A11	2021
IEC 61180	-	High-voltage test techniques for low-voltage equipment – Definitions, test and procedure requirements, test equipment	EN 61180	2016
				"

<sup>1</sup> As impacted by EN 61010-1:2010/A1:2019 and EN 61010-1:2010/A1:2019/AC:2019-04.

**4 Addition of Annex ZZ, “Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered”**

*Add the following Annex ZZ:*

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