
Varnostne zahteve za električno opremo za meritve, nadzor in laboratorijsko uporabo - 2-081. del: Posebne zahteve za avtomatsko in polavtomatsko laboratorijsko opremo, ki se uporablja za analizo in druge namene (IEC 61010-2-081:2015)

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes (IEC 61010-2-081:2015)

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Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 2-081: Besondere Anforderungen an automatische und semiautomatische Laborgeräte für Analysen und andere Zwecke (IEC 61010-2-081:2015)

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Règles de sécurité pour appareils électriques de mesure, de régulation et de laboratoire - Partie 2-081: Prescriptions particulières pour les appareils de laboratoire, automatiques et semi-automatiques, destinés à l'analyse et autres usages (IEC 61010-2-081:2015)

Ta slovenski standard je istoveten z: EN 61010-2-081:2015

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71.040.10	Kemijski laboratoriji. Laboratorijska oprema	Chemical laboratories. Laboratory equipment

SIST EN 61010-2-081:2015

en

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EUROPEAN STANDARD

EN 61010-2-081

NORME EUROPÉENNE

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English Version

**Safety requirements for electrical equipment for measurement,
control and laboratory use - Part 2-081: Particular requirements
for automatic and semi-automatic laboratory equipment for
analysis and other purposes
(IEC 61010-2-081:2015)**

Règles de sécurité pour appareils électriques de mesurage,
de régulation et de laboratoire - Partie 2-081: Exigences
particulières pour les appareils de laboratoire, automatiques
et semi-automatiques, destinés à l'analyse et autres usages
(IEC 61010-2-081:2015)

Sicherheitsbestimmungen für elektrische Mess-, Steuer-,
Regel- und Laborgeräte - Teil 2-081: Besondere
Anforderungen an automatische und semiautomatische
Laborgeräte für Analysen und andere Zwecke
(IEC 61010-2-081:2015)

This European Standard was approved by CENELEC on 2015-02-27. 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: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 66/544/FDIS, future edition 2 of IEC 61010-2-081, prepared by IEC/TC 66 "Safety of measuring, control and laboratory equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61010-2-081:2015.

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) 2015-11-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-02-27

This document supersedes EN 61010-2-081:2002.

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

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Annex ZA
(normative)

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

Annex ZA of EN 61010-1:2010 applies.

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Partie 2-081: Exigences particulières pour les appareils de laboratoire, automatiques et semi-automatiques, destinés à l'analyse et autres usages**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR
MEASUREMENT, CONTROL, AND LABORATORY USE –**
**Part 2-081: Particular requirements for automatic and
semi-automatic laboratory equipment for analysis and other purposes**

FOREWORD

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International Standard IEC 61010-2-081 has been prepared by IEC technical committee 66: Safety of measuring, control and laboratory equipment.

It has the status of a group safety publication in accordance with IEC Guide 104.

This second edition cancels and replaces the first edition published in 2001 and its Amendment 1 (2003). It constitutes a technical revision and includes the following significant changes from the first edition, as well as numerous other changes:

- excluded IEC 61010-2-101 (IVD Equipment) from scope. This separates IEC 61010-2-081 and IEC 61010-2-101 equipment;
- added biological risks symbol to Table 1 in Clause 5;
- added requirement for statement on hazardous substances and gases in Instructions for Use to Clause 5;