



BSI Standards Publication

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

National foreword

This British Standard is the UK implementation of EN IEC 61010-2-081:2020. It is identical to IEC 61010-2-081:2019. It supersedes BS EN 61010-2-081:2015, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/66, Safety of measuring, control and laboratory equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

| Date | Text affected |
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EUROPEAN STANDARD

EN IEC 61010-2-081

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2020

ICS 19.080; 71.040.10

Supersedes EN 61010-2-081:2015 and all of its
amendments and corrigenda (if any)

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 61010-2-081:2019)**

Exigences 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
à d'autres usages
(IEC 61010-2-081:2019)

Sicherheitsbestimmungen für elektrische Mess-, Steuer-,
Regel- und Laborgeräte - Teil 2-081: Besondere
Anforderungen für automatische und semiautomatische
Laborgeräte für Analysen und andere Zwecke
(IEC 61010-2-081:2019)

This European Standard was approved by CENELEC on 2019-03-19. 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.

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 European Standard 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

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European foreword

This document (EN IEC 61010-2-081:2020) consists of the text of IEC 61010-2-081:2019 prepared by IEC/TC 66 "Safety of measuring, control and laboratory equipment".

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) 2020-11-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-22

This document supersedes EN 61010-2-081:2015 and all of its amendments and corrigenda (if any).

EN IEC 61010-2-081:2020 includes the following significant technical changes with respect to EN 61010-2-081:2015:

- a) adaptation of changes introduced by Amendment 1 of IEC 61010-1;
- b) added tolerance for stability of a.c. voltage test equipment to Clause 6.

NOTE This document is based on EN 61010-1:2010 and its amendment, EN 61010-1:2010/A1:2019.

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 mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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

Endorsement notice

The text of the International Standard IEC 61010-2-081:2019 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

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| IEC 61010-2-101 | NOTE | Harmonized as EN 61010-2-101 |
| IEC 62061 | NOTE | Harmonized as EN 62061 |
| ISO 13849 (series) | NOTE | Harmonized as EN ISO 13849 (series) |