



# UL 61010-2-030

## STANDARD FOR SAFETY

Requirements for Electrical Equipment  
for Measurement, Control, and  
Laboratory Use – Part 2-030: Particular  
Requirements for Equipment Having  
Testing or Measuring Circuits

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UL Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits, UL 61010-2-030

Second Edition, Dated December 21, 2018

### **Summary of Topics**

***This revision of ANSI/UL 61010-2-030 dated May 24, 2023 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.***

***Adoption of IEC 61010-2-030, Edition 2.0 (issued 2017-01), Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits, as an IEC-based UL Standard, UL 61010-2-030, Second Edition with US National Differences.***

***As noted in the Commitment for Amendments statement located on the back side of the title page, ULSE and CSA are committed to updating this harmonized standard jointly. However, the revision pages dated May 24, 2023 will not be jointly issued by ULSE and CSA as these revision pages only address UL ANSI approval dates.***

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated March 24, 2023.

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ULSE Inc.  
UL 61010-2-030  
Second Edition

# Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits

December 21, 2018

(Title Page Reprinted: May 24, 2023)

This national standard is based on IEC 61010-2-030, Second Edition (2017).



ANSI/UL 61010-2-030-2018 (R2023)



## Commitment for Amendments

This standard is issued jointly by the Canadian Standards Association (operating as "CSA Group") and ULSE Inc. (ULSE). Comments or proposals for revisions on any part of the standard may be submitted to CSA Group or ULSE at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of CSA Group and ULSE. CSA Group and ULSE will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue.

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This ANSI/UL Standard for Safety consists of the Second Edition including revisions through May 24, 2023. The most recent designation of ANSI/UL 61010-2-030 as a Reaffirmed American National Standard (ANS) occurred on May 24, 2023. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards.

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## Bibliography

## PREFACE

This is the harmonized CSA Group and ULSE standard for safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits. It is the second edition of CSA-C22.2 No. 61010-2-030 and the second edition of UL 61010-2-030. This edition of CSA C22.2 No. 61010-2-030 supersedes the previous edition published in 2012.

This harmonized standard is based on IEC 61010-2-030, second edition: Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits, issued January 2017. IEC 61010-2-030 is copyrighted by the IEC.

This harmonized standard was prepared by CSA Group and ULSE.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard was reviewed by the CSA Subcommittee on Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, under the jurisdiction of the CSA Technical Committee on Consumer and Commercial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

### Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

**Note:** Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

This CSA-C22.2 No. 61010-2-030, Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits is to be used in conjunction with the third edition of CAN/CSA-C22.2 No. 61010-1. The requirements for testing and measuring circuits are contained in this Part 2 Standard and CAN/CSA-C22.2 No. 61010-1. Requirements of this Part 2 Standard, where stated, amend the requirements of CAN/CSA-C22.2 No. 61010-1. Where a particular subclause of CAN/CSA-C22.2 No. 61010-1 is not mentioned in CSA-C22.2 No. 61010-2-030, the CAN/CSA-C22.2 No. 61010-1 Part 1 subclause applies.

This UL Standard 61010-2-030 Standard for Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits, is to be used in conjunction with the third edition of UL 61010-1. The requirements for testing and measuring circuits are contained in this Part 2 Standard and UL 61010-1. Requirements of this Part 2 Standard, where stated, amend the requirements of UL 61010-1. Where a particular subclause of UL 61010-1 is not mentioned in UL 61010-2-030, the UL 61010-1 subclause applies.

### Level of Harmonization

This standard adopts the IEC text with national differences.

This standard is published as an identical standard for CSA Group and ULSE.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

All national differences from the IEC text are included in the CSA Group and ULSE versions of the standard. While the technical content is the same in each organization's version, the format and presentation may differ.

### Reasons for Differences From IEC

Differences from the IEC are being added in order to address safety and regulatory situations present in Canada and the US.

### Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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