CAN/CSA-C22.2 No. 61010-1-12
(IEC 61010-1:2010, MOD)
National Standard of Canada
(reaffirmed 2022)

CAN/CSA-C22.2 No. 61010-1-12
Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements
(IEC 61010-1:2010, MOD)

REVISED JUNE 2023

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Revision History

CAN/CSA-C22.2 No. 61010-1-12, Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements — originally published May 2012

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Update No. 3 — June 2023	**Revision symbol (in margin)**
Title page, copyright page, Contents, Preface, Clauses 1.1.2DV, 1.1.3DV, 1.1.5DV, 2DV, 5.4.4DV, 13.2.3DV, 14.1DV.0, and 14.11.DV, Annex DVA, and BIBDV **Note:** *Only the revised pages have been provided.*	|

The following is a list of revisions, additions and deletions to CAN/CSA-C22.2 No. 61010-1-12:

Update No. 3 — June 2023

Safety Requirements for Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements, UL/CSA 61010-1

Third Edition, Dated May 11, 2012

Summary of Topics

This revision to UL/CSA 61010-1 dated June 6, 2023 includes the following changes in requirements:

– UL/CSA 61010-1 – Scope Clarification; 1.1.5DV

– Addition of reference to UL 62368-1 and CAN/CSA C22.2 No. 62368-1 as an alternative to UL/CSA 60950-1 and UL/CSA 60065; 1.1.2DV, 1.1.3DV, 2DV, 5.4.4DV, 13.2.3DV, 14.1DV.0, 14.11DV.1, Annex DVA, BIBDV

Text that has been changed in any manner is marked with a vertical line in the margin.

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Third Edition
(IEC 61010-1:2010, MOD)

ISA
ANSI/ISA-61010-1 (82.02.01)
Third Edition

ULSE Inc.
UL 61010-1
Third Edition

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

May 11, 2012

(Title Page Reprinted: June 6, 2023)

This standard is based on IEC 61010-1, Third Edition (2010).

ANSI/UL 61010-1-2023

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This Standard is subject to review within five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. The technical content of IEC and ISO publications is kept under constant review by IEC and ISO. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line: Standard designation (number); relevant clause, table, and/or figure number; wording of the proposed change; and rationale for the change.

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This ANSI/UL Standard for Safety consists of the Third Edition including revisions through June 6, 2023. The most recent designation of ANSI/UL 61010-1 as an American National Standard (ANSI) occurred on June 6, 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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14.6 MAINS transformers tested outside equipment 130
14.7 Printed wiring boards 130
14.7DV Addition of the following to the end of the first paragraph: 130
14.8 Circuits used to limit TRANSIENT OVERVOLTAGE 130
14.9DV Add a new subclause: 131
14.10DV Add a new subclauses to address conductive coatings, shields, and tape: 131
14.11DV Modification of subclause 14.11DV.1 by replacing it with the following: 132
15 Protection by interlocks 132
15.1 General 132
15.2 Prevention of reactivating 132
15.3 Reliability 132
16 HAZARDS resulting from application 133
16.1 REASONABLY FORESEEABLE MISUSE 133
16.2 Ergonomic aspects 133
17 RISK assessment 133

Annex A (normative) Measuring circuits for touch current

A.1 Measuring circuit for a.c. with frequencies up to 1 MHz and for d.c. 135
A.2 Measuring circuits for sinusoidal a.c. with frequencies up to 100 Hz and for d.c. 136
A.3 Current measuring circuit for electrical burns at high frequencies 136
A.4 Current measuring circuit for WET LOCATION 137

Annex B (normative) Standard test fingers

Annex C (normative) Measurement of CLEARANCES and CREEPAGE DISTANCES

Annex D (normative) Parts between which insulation requirements are specified

Annex E (normative) Guideline for reduction of POLLUTION DEGREES

Annex EDV Modification by replacing “normative” with “informative” in the heading of Annex E. 150

Annex F (normative) ROUTINE TESTS

F.1 General 151
F.2 Protective earth 151
F.3 MAINS CIRCUITS 151
F.3.1 General 151
F.3.2 MAINS CIRCUITS with voltage limiting devices 152
F.4 Floating circuits 152

Annex G (informative) Leakage and rupture from fluids under pressure

GDV Modification by replacing “informative” with “normative” in the heading of Annex G, and add the following text: 153
G.1 General 153
G.2 Pressures above 2 MPa and a product pressure and volume greater than 200 kPa·l 153
G.2.1 General 153
G.2.2 Conduct of hydrostatic tests for G.2.1 155

Preface

This is the harmonized CSA Group, ISA, and ULSE standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements. It is the third edition of CAN/CSA-C22.2 No. 61010-1, the third edition of ANSI/ISA-61010-1 (82.02.01), and the third edition of UL 61010-1. This edition of CAN/CSA-C22.2 No. 61010-1 supersedes the previous edition published as CAN/CSA-C22.2 No. 61010-1 in 2004. This harmonized standard has been jointly revised on June 6, 2023. For this purpose, CSA Group and ULSE are issuing revision pages dated June 6, 2023, and ISA is issuing the changes to the edition dated June 6, 2023.

This harmonized standard is based on IEC Publication 61010-1: third edition Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General requirements issued June 2010, as revised by IEC Corrigendum 1 issued May 2011, AMD1 issued December 2016, and Corrigendum 1 to AMD1 issued March 2019. IEC publication 61010-1 is copyrighted by the IEC.

This harmonized standard was prepared by CSA Group, the International Society of Automation (ISA), 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 is CAN/CSA-C22.2 No. 61010-1, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General requirements. This CAN/CSA-C22.2 No. 61010 Part 1 is to be used in conjunction with the appropriate CAN/CSA-C22.2 No. 61010 Part 2, which contains clauses to supplement or modify the corresponding clauses in the Part 1, to provide relevant requirements for each type of product.

This is the UL Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements. This UL Part 1 is to be used in conjunction with the appropriate UL Part 2, which contains clauses to supplement or modify the corresponding clauses in the Part 1, to provide relevant requirements for each type of product.

CAN/CSA-C22.2 No. 61010-1, ANSI/ISA-61010-1 (82.02.01), and UL 61010-1 contain identical requirements and identical publication dates. The presentation and format of the standards material may differ between the three published standards.

Level of Harmonization