



UL 1022

STANDARD FOR SAFETY

Line Isolation Monitors

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UL Standard for Safety for Line Isolation Monitors, UL 1022

Sixth Edition, Dated March 27, 2025

SUMMARY OF TOPICS

This new Sixth Edition of ANSI/UL 1022 dated March 27, 2025 incorporates editorial updates from the February 21, 2025 proposal(s) bulletin. Other editorial updates include renumbering and reformatting to align with current style.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated February 21, 2025.

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Standard for Line Isolation Monitors

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Second Edition – July, 1979
Third Edition – March, 1994
Fourth Edition – June, 1998
Fifth Edition – April, 2012

Sixth Edition

March 27, 2025

This ANSI/UL Standard for Safety consists of the Sixth Edition.

The most recent designation of ANSI/UL 1022 as an American National Standard (ANSI) occurred on March 27, 2025. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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CONTENTS

INTRODUCTION

1	Scope	5
2	Components	5
3	Units of Measurement	5
4	Referenced Publications	6
5	Glossary	6
6	Instructions and Drawings	7

CONSTRUCTION

7	Enclosure	7
	7.1 General	7
	7.2 Cast metal enclosures	7
	7.3 Sheet metal enclosures	8
	7.4 Nonmetallic enclosures	9
	7.5 Ventilating openings	10
	7.6 Covers	10
	7.7 Glass panels	11
8	Electric Shock	11
9	Corrosion Protection	12
10	Field-Wiring System Connections	12
	10.1 General	12
	10.2 Equipment grounding connection	13
11	Internal Wiring	13
	11.1 General	13
	11.2 Wireways	14
	11.3 Splices	14
	11.4 Barriers	14
	11.5 Bushings	14
	11.6 Strain relief	15
12	Bonding for Grounding	15
13	Components	16
	13.1 Current-carrying parts	16
	13.2 Insulating material	16
	13.3 Lampholders and lamps	17
	13.4 Meters	17
	13.5 Printed-wiring boards	18
	13.6 Switches	18
	13.7 Protective devices	18
	13.8 Alarm silencing means	18
	13.9 Audible signaling appliance	18
	13.10 Mounting of components	18
	13.11 Operating components	19
14	Spacings	19
15	Servicing and Maintenance	20

PERFORMANCE

16	General	21
17	Normal Operation Test	21
18	Sampling Circuit Supervision Test	22
19	Power Input Test	23

20	Leakage Current Measurements Test	23
21	Overvoltage and Undervoltage Test	26
	21.1 Voltage operation.....	26
	21.2 Undervoltage operation	26
22	Jarring Test.....	27
23	Temperature Test	27
24	Overload Test.....	30
	24.1 Monitor	30
	24.2 Separately energized circuits	30
25	Endurance Test.....	30
	25.1 Monitor	30
	25.2 Devices and separately energized circuits	31
26	Variable Ambient Temperature Test	31
27	Humidity Test	31
28	Electric Shock Current Test	31
29	Transient Tests.....	35
	29.1 General.....	35
	29.2 Externally-induced transients.....	35
	29.3 Internally-induced transients.....	35
30	Dielectric Voltage-Withstand Test	35
31	Component Failure Test.....	36
32	Abnormal Operation Test	36
33	Test Switch Operation Test.....	37

MANUFACTURING AND PRODUCTION TESTS

34	General	37
35	Production-Line Leakage Current Measurements Test	37
36	Production-Line Dielectric Voltage-Withstand Tests.....	37

MARKING

37	General	38
38	Supplementary.....	39
	38.1 Installation drawing	39
	38.2 Operating instructions	39

INTRODUCTION

1 Scope

1.1 These requirements cover dynamic line isolation monitors and related supplementary indicating units for supervising isolated power-supply circuits in patient care areas of health care facilities, including inhalation-anesthetizing locations in accordance with the National Electrical Code, NFPA 70.

1.2 The detectors and supplementary indicating units are intended to be:

- a) Included as part of an isolated power-supply center for patient care locations of health care facilities; and
- b) Installed in an Other-Than-Hazardous (Classified) Location of a health care facility as defined by the National Electrical Code, NFPA 70.

1.3 These requirements do not cover ground fault circuit interrupters for use on grounded alternating current systems in accordance with the National Electrical Code, NFPA 70.

2 Components

2.1 A component of a product covered by this Standard shall:

- a) Comply with the requirements for that component as specified in this Standard;
- b) Be used in accordance with its ratings(s) established for the intended conditions of use; and
- c) Be used within its established use limitations or conditions of acceptability.

2.2 A component of a product covered by this Standard is not required to comply with a specific component requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this Standard; or
- b) Is superseded by a requirement in this Standard; or
- c) Is separately evaluated when forming part of another component, provided the component is used in accordance with its established ratings and limitations.

2.3 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

2.4 A component that is also intended to perform other functions such as overcurrent protection, ground-fault circuit-interruption, surge suppression, any other similar functions, or any combination thereof, shall comply additionally with the requirements of the applicable standard(s) that cover devices that provide those functions.

3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.