

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electrical equipment for measurement, control and laboratory use –  
EMC requirements –**

**Part 2-2: Particular requirements – Test configurations, operational conditions  
and performance criteria for portable testing, measuring and monitoring  
equipment used in low-voltage distribution systems**

**Matériel électrique de mesure, de commande et de laboratoire –  
Exigences relatives à la CEM –**

**Partie 2-2: Exigences particulières – Configurations d'essai, conditions de  
fonctionnement et critères de performance des matériels portables d'essai,  
de mesure et de surveillance utilisés dans des réseaux de distribution à basse  
tension**



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## CONTENTS

FOREWORD .....	3
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 General .....	6
5 EMC test plan .....	6
5.1 General .....	6
5.2 Configuration of EUT during testing .....	6
5.3 Operation conditions of EUT during testing .....	7
5.4 Specification of FUNCTIONAL PERFORMANCE .....	8
5.5 Test description .....	8
6 Immunity requirements .....	8
6.1 Conditions during the tests .....	8
6.2 Immunity test requirements .....	8
6.3 Random aspects .....	8
6.4 Performance criteria .....	8
7 Emission requirements .....	8
8 Test results and test report .....	9
9 Instructions for use .....	9
Annex A (normative) Immunity test requirements for PORTABLE TEST AND MEASUREMENT EQUIPMENT powered by battery or from the circuit being measured .....	10
Annex B (informative) Guide for analysis and assessment for electromagnetic compatibility .....	11
Bibliography .....	12
Figure 101 – Test set-up for portable testing, measuring and monitoring equipment based on IEC 61000-4-3 .....	6
Figure 102 – Example of connection details for voltage measurements .....	7
Figure 103 – Example of connection details for current measurements .....	7

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL EQUIPMENT FOR MEASUREMENT,  
CONTROL AND LABORATORY USE –  
EMC REQUIREMENTS –****Part 2-2: Particular requirements –  
Test configurations, operational conditions and  
performance criteria for portable testing, measuring and  
monitoring equipment used in low-voltage distribution systems**

## FOREWORD

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International Standard IEC 61326-2-2 has been prepared by subcommittee 65A: System aspects, of IEC technical committee 65: Industrial-process measurement, control and automation.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- update with respect to IEC 61326-1:2020.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
65A/977/FDIS	65A/988/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This part of IEC 61326 is to be used in conjunction with IEC 61326-1:2020 and follows the same numbering of clauses, subclauses, tables and figures.

When a particular subclause of IEC 61326-1 is not mentioned in this part, that subclause applies as far as is reasonable. When this standard states “addition”, “modification” or “replacement”, the relevant text in IEC 61326-1 is to be adapted accordingly.

NOTE The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in IEC 61326-1;
- unless notes are in a new subclause or involve notes in IEC 61326-1, they are numbered starting from 101 including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

A list of all parts of IEC 61326 series, under the general title *Electrical equipment for measurement, control and laboratory use – EMC requirements*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

# ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE – EMC REQUIREMENTS –

## Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable testing, measuring and monitoring equipment used in low-voltage distribution systems

### 1 Scope

In addition to the scope of IEC 61326-1, this part of IEC 61326 specifies more detailed test configurations, operational conditions and performance criteria for equipment covered by Annex A of IEC 61326-1:2020 which is:

- used for testing, measuring or monitoring of protective measures in low-voltage distribution systems, and;
- powered by battery and/or from the circuit measured, and
- portable.

Examples of such EUTs include, but are not limited to, voltage detectors, insulation testers, earth continuity testers, earth resistance testers, leakage current clamps, loop impedance testers, “residual-current-device-testers” (RCD-testers) and phase sequence testers as defined in IEC 61557 (all parts).

NOTE Particular EMC requirements for equipment covered by IEC 61557-8 and IEC 61557-9 are given in IEC 61326-2-4.

The manufacturer specifies the environment for which the product is intended to be used and/or selects the appropriate test level specifications of IEC 61326-1.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Clause 2 of IEC 61326-1:2020 applies, except as follows:

*Addition.*

IEC 61326-1:2020, *Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements*

IEC 61557 (all parts), *Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC – Equipment for testing, measuring or monitoring of protective measures*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61326-1:2020 and IEC 60050-161 apply.