

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 test, 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 portatifs d'essai, de
mesure et de surveillance utilisés dans des systèmes de distribution 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.....	8
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.....	9
6.4 Performance criteria	9
7 Emission requirements	9
8 Test results and test report.....	9
9 Instructions for use.....	9
Figure 101 – Test set-up for portable test, measuring and monitoring equipment based on IEC 61000-4-3	7
Figure 102 – Example of connection details for voltage measurements	7
Figure 103 – Example of connection details for current measurements	8

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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 test, 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 second edition cancels and replaces the first edition published in 2005. This edition constitutes a technical revision.

The main technical changes with regard to the previous edition are as follows:

- Update with respect to IEC 61326-1:2012.

The text of this standard is based on the following documents:

FDIS	Report on voting
65A/642/FDIS	65A/653/RVD

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

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

This part of IEC 61326 series is to be used in conjunction with IEC 61326-1:2012 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 publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication 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 test, 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 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 EUT include, but are not limited to, voltage detectors, insulation testers, earth continuity testers, earth resistance testers, loop impedance testers, “residual-current-device-testers” (RCD-testers) and phase sequence testers as defined in IEC 61557.

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 select the appropriate test level specifications of IEC 61326-1.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 61326-1:2012 applies, except as follows:

Addition:

IEC 61326-1:2012, *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 a.c. and 1 500 V d.c. – 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 and IEC 60050-161 apply.