Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-2:2012)

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 (IEC 61326-2-2:2012)



## **EESTI STANDARDI EESSÕNA**

## **NATIONAL FOREWORD**

See Eesti standard EVS-EN 61326-2-2:2013 sisaldab Euroopa standardi EN 61326-2-2:2013 ingliskeelset teksti.	This Estonian standard EVS-EN 61326-2-2:2013 consists of the English text of the European standard EN 61326-2-2:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
, and the second	Date of Availability of the European standard is 11.01.2013.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile <a href="mailto:standardiosakond@evs.ee">standardiosakond@evs.ee</a>.

ICS 17.220, 25.040.40, 33.100

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# **EUROPEAN STANDARD**

# EN 61326-2-2

# NORME EUROPÉENNE EUROPÄISCHE NORM

January 2013

ICS 17.220; 25.040.40; 33.100

Supersedes EN 61326-2-2:2006

**English version** 

# 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

(IEC 61326-2-2:2012)

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 d'aptitude à la fonction des matériels portatifs d'essai, de mesure et de surveillance utilisés dans des systèmes de distribution basse tension (CEI 61326-2-2:2012)

Elektrische Mess-, Steuer-, Regel- und Laborgeräte – EMV-Anforderungen – Teil 2-2: Besondere Anforderungen – Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale für ortsveränderliche Prüf-, Mess- und Überwachungsgeräte für den Gebrauch in Niederspannungs-Stromversorgungsnetzen (IEC 61326-2-2:2012)

This European Standard was approved by CENELEC on 2012-11-06. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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# CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

#### **Foreword**

The text of document 65A/642/FDIS, future edition 2 of IEC 61326-2-2, prepared by SC 65A, "System aspects", of IEC TC 65, "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61326-2-2:2013.

The following dates are fixed:

•	latest date by which the document has	(dop)	2013-08-06
	to be implemented at national level by		
	publication of an identical national		
	standard or by endorsement		
•	latest date by which the national	(dow)	2015-11-06
	standards conflicting with the		
	document have to be withdrawn		

This document supersedes EN 61326-2-2:2006.

EN 61326-2-2:2013 includes the following significant technical changes with respect to EN 61326-2-2:2006:

- Update with respect to EN 61326-1:2013.

EN 61326-2-2:2013 is to be used in conjunction with EN 61326-1:2013 and follows the same numbering of clauses, subclauses, tables and figures.

When a particular subclause of EN 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 EN 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 EN 61326-1;
- unless notes are in a new subclause or involve notes in EN 61326-1, they are numbered starting from 101 including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

### **Endorsement notice**

The text of the International Standard IEC 61326-2-2:2012 was approved by CENELEC as a European Standard without any modification.

# Annex ZA (normative)

# Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

		13 applies, except as follows:	ENUID	V
<u>Publication</u>	Year	<u>Title</u>	EN/HD	<u>Year</u>
Addition:	2			
IEC 61326-1	2012	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements	ol EN 61326-1	2013
IEC 61557	Series	and laboratory use - EMC requirements - Part 1: General requirements	EN 61557	Series

# **Annex ZZ**

(informative)

## **Coverage of Essential Requirements of EU Directives**

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers protection requirements of Annex I, Article 1 of the EC Directive 2004/108/EC.

tan ative[s, nents and o. Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive[s] concerned.

NOTE Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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## 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.