

SLOVENSKI STANDARD

SIST EN 61241-2-2:2001

01-februar-2001

Nadomešča:

SIST IEC/TR 61241-2-2:1998

Električne naprave za uporabo v prisotnosti gorljivega prahu - 2. del: Preskusne metode -2. oddelek: Metoda določanja električne upornosti prahu v plasteh (IEC 61241-2-2:1993 + popravek 1994)

Electrical apparatus for use in the presence of combustible dust -- Part 2: Test methods -
- Section 2: Method for determining the electrical resistivity of dust in layers

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Elektrische Betriebsmittel zur Verwendung in Bereichen mit brennbarem Staub -- Teil 2:
Untersuchungsverfahren -- Hauptabschnitt 2: Verfahren zur Bestimmung des elektrischen
Widerstandes von Staubschüttungen

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Matériels électriques destinés à être utilisés en présence de poussières combustibles --
Partie 2: Méthodes d'essais -- Section 2: Méthode de détermination de la résistivité
électrique des couches de poussières

Ta slovenski standard je istoveten z: EN 61241-2-2:1995

ICS:

29.260.20	Električni aparati za eksplozivna ozračja	Electrical apparatus for explosive atmospheres
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en

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ICS 29.260.20

Descriptors: Electric equipment, explosive atmosphere, explosion proofing, fire protection, dust, combustible dust, test, resistivity

English version

Electrical apparatus for use in the presence of combustible dust
Part 2: Test methods
Section 2: Method for determining the electrical resistivity
of dust in layers
(IEC 1241-2-2:1993 + corrigendum 1994)

Matériels électriques destinés à être
utilisés en présence de poussières
combustibles
Partie 2: Méthodes d'essais
Section 2: Méthode de détermination de
la résistivité électrique des couches de
poussières
(CEI 1241-2-2:1993 +
corrigendum 1994)

Elektrische Betriebsmittel zur
Verwendung in Bereichen mit
brennbarem Staub
Teil 2: Untersuchungsverfahren
Hauptabschnitt 2: Verfahren zur
Bestimmung des elektrischen
Widerstandes von Staubschüttungen
(IEC 1241-2-2:1993 +
Corrigendum 1994)

This European Standard was approved by CENELEC on 1995-03-06. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the technical report IEC 1241-2-2:1993 with its corrigendum May 1994, prepared by SC 31H, Apparatus for use in the presence of ignitable dust, of IEC TC 31, Electrical apparatus for explosive atmospheres, was submitted to the formal vote and was approved by CENELEC as EN 61241-2-2 on 1995-03-06 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-03-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the technical report IEC 1241-2-2:1993 with its corrigendum May 1994 was approved by CENELEC as a European Standard without any modification.

The following editorial change applies to the text of IEC 1241-2-2:

Replace "technical report" by "standard" in the following clauses:

- Introduction
- 1 Scope
 - 2 Normative references
 - 3 Definitions
 - 3.4 electrical resistivity
 - 7 Test report
-

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(see annex A.1 of IEC 60079-10:2017)

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Annex ZA (normative)

**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 565	1990	Test sieves Metal wire cloth, perforated metal plate and electroformed sheet - Nominal sizes of openings	-	-
ISO 4225	1980	Air quality General aspects - Vocabulary	-	-

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RAPPORT
TECHNIQUE – TYPE 2
TECHNICAL
REPORT – TYPE 2

CEI
IEC
1241-2-2

Première édition
First edition
1993-08

**Matériels électriques destinés à être utilisés
en présence de poussières combustibles –**

iTeh STANDARD PREVIEW

Partie 2:

(Méthodes d'essais –)

Section 2: Méthode de détermination de

la résistivité électrique des couches de poussières

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**Electrical apparatus for use in the
presence of combustible dust –**

Part 2:

Test methods –

**Section 2: Method for determining the electrical
resistivity of dust in layers**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

J

Pour prix, voir catalogue en vigueur
For price, see current catalogue

Publication 1241-2-2 de la CEI
(Première édition - 1993)

Matériels électriques destinés
à être utilisés en présence
de poussières combustibles

Partie 2: Méthodes d'essais
Section 2: Méthode de détermination
de la résistivité électrique
des couches de poussières

IEC Publication 1241-2-2
(First edition - 1993)

Electrical apparatus
for use in the presence
of combustible dust

Part 2: Test methods
Section 2: Method for determining
the electrical resistivity
of dust in layers

C O R R I G E N D U M 1

Page 14

6.3 Calcul de la résistivité

Sous la seconde équation de l'article, au lieu de:

où
 ρ est la résistivité en Ω ;

lire:

où
 ρ est la résistivité en $\Omega \cdot m$;

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6.3 Calculation of resistivity

Under the second equation in the clause, instead of:

where
 ρ is the resistivity in Ω ;

read:

[SIST EN 61241-2-2:2001](https://standards.iteh.ai/catalog/standards/sist/7998e527-e20f-443e-b58e-024de5d91880/sist-en-61241-2-2-2001)
where
 ρ is the resistivity in $\Omega \cdot m$;

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