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**BS EN 60079-32-2:2015**



**BSI Standards Publication**

# **Explosive atmospheres**

Part 32-2: Electrostatics hazards — Tests

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This British Standard is the UK implementation of EN 60079-32-2:2015.  
It is identical to IEC 60079-32-2:2015.

The UK participation in its preparation was entrusted to Technical  
Committee EXL/31, Equipment for explosive atmospheres.

A list of organizations represented on this committee can be obtained on  
request to its secretary.

This publication does not purport to include all the necessary provisions of  
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Published by BSI Standards Limited 2015

ISBN 978 0 580 81609 3

ICS 29.260.20

**Compliance with a British Standard cannot confer immunity from  
legal obligations.**

This British Standard was published under the authority of the  
Standards Policy and Strategy Committee on 31 May 2015.

#### **Amendments/corrigenda issued since publication**

<b>Date</b>	<b>Text affected</b>
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## EUROPÄISCHE NORM

April 2015

ICS 29.260.20

English Version

## Explosive atmospheres - Part 32-2: Electrostatics hazards - Tests (IEC 60079-32-2:2015)

Atmosphères explosives - Partie 32-2: Dangers  
électrostatiques - Essais  
(IEC 60079-32-2:2015)

Explosionsgefährdete Bereiche - Teil 32-2: Elektrostatische  
Gefährdungen - Prüfverfahren  
(IEC 60079-32-2:2015)

This European Standard was approved by CENELEC on 2015-04-01. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

The text of document 31/1164/FDIS, future edition 1 of IEC 60079-32-2, prepared by IEC/TC 31 "Equipment for explosive atmospheres" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60079-32-2:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-01-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-04-01

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.

## Endorsement notice

The text of the International Standard IEC 60079-32-2:2015 was approved by CENELEC as a European Standard without any modification.

IEC 60079-1	NOTE	Harmonized as EN 60079-1.
IEC 60079-7	NOTE	Harmonized as EN 60079-7.
IEC 60079-10-1	NOTE	Harmonized as EN 60079-10-1.
IEC 60079-10-2	NOTE	Harmonized as EN 60079-10-2.
IEC 60167	NOTE	Harmonized as HD 568 S1.
IEC 61340-4-1	NOTE	Harmonized as EN 61340-4-1.
IEC 61340-4-3	NOTE	Harmonized as EN 61340-4-3.
IEC 61340-4-5	NOTE	Harmonized as EN 61340-4-5.
ISO 284	NOTE	Harmonized as EN ISO 284.
ISO 8031	NOTE	Harmonized as EN ISO 8031.
ISO 8330	NOTE	Harmonized as EN ISO 8330.

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## 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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-0	-	Explosive atmospheres -- Part 0: Equipment - General requirements	EN 60079-0	-
-	-		+A11	-
IEC 60093	-	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials	HD 429 S1	-
IEC 60243-1	-	Electric strength of insulating materials - Test methods -- Part 1: Tests at power frequencies	EN 60243-1	-
IEC 60243-2	-	Electric strength of insulating materials - Test methods -- Part 2: Additional requirements for tests using direct voltage	EN 60243-2	-
IEC 60247	-	Insulating liquids - Measurement of relative permittivity, dielectric dissipation factor (tan $\delta$ ) and d.c. resistivity	EN 60247	-
IEC 61340-2-1	-	Electrostatics -- Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge	EN 61340-2-1	-
IEC 61340-2-3	-	Electrostatics -- Part 2-3: Methods of test for determining the resistance and resistivity of solid planar materials used to avoid electrostatic charge accumulation	EN 61340-2-3	-
IEC 61340-4-4	-	Electrostatics - Part 4-4: Standard test methods for specific applications - Electrostatic classification of flexible intermediate bulk containers (FIBC)	EN 61340-4-4	-
ISO 14309	-	Rubber, vulcanized or thermoplastic - Determination of volume and/or surface resistivity	-	-
IEC/TS 60079-32-1	-	Explosive atmospheres - Part 32-1: Electrostatic hazards, guidance	CLC/TR 60079-32-1	-
IEC/TS 61241-2-2	-	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	EN 61241-2-2	-
ASTM E582	-	Standard test method for minimum ignition energy and quenching distance in gaseous mixtures	-	-
EN 1081	-	Resilient floor coverings - Determination of the electrical resistance	-	-
EN 1149-3	-	Protective clothing - Electrostatic properties - Part 3: Test methods for measurement of charge decay	-	-

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