
Eksplozivne atmosfere - 29-2. del: Javljalniki plina - Izbira, vgradnja, uporaba in vzdrževanje detektorjev za gorljive pline in kisik (IEC 60079-29-2:2015)

Explosive atmospheres - Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen (IEC 60079-29-2:2015)

Explosionsfähige Atmosphäre - Teil 29-2: Gasmessgeräte - Auswahl, Installation, Einsatz und Wartung von Geräten für die Messung von brennbaren Gasen und Sauerstoff (IEC 60079-29-2:2015)

Atmosphères explosives - Partie 29-2: Détecteurs de gaz - Sélection, installation, utilisation et maintenance des détecteurs de gaz inflammables et d'oxygène (IEC 60079-29-2:2015)

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**Explosive atmospheres - Part 29-2: Gas detectors - Selection,
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gases and oxygen
(IEC 60079-29-2:2015)**

Atmosphères explosives - Partie 29-2: Détecteurs de gaz -
Sélection, installation, utilisation et maintenance des
détecteurs de gaz inflammables et d'oxygène
(IEC 60079-29-2:2015)

Explosionsfähige Atmosphäre - Teil 29-2: Gasmessgeräte -
Auswahl, Installation, Einsatz und Wartung von Geräten für
die Messung von brennbaren Gasen und Sauerstoff
(IEC 60079-29-2:2015)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

Foreword

The text of document 31/1169/FDIS, future edition 2 of IEC 60079-29-2, prepared by IEC TC 31, Equipment for explosive atmospheres, was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60079-29-2:2015.

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) 2016-01-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-04-20

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SIST EN 60079-29-2:2015

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60079-14	NOTE	Harmonized as EN 60079-14.
IEC 60079-20-1	NOTE	Harmonized as EN 60079-20-1.
IEC 61326-1	NOTE	Harmonized as EN 61326-1.
IEC 60079-29-3	NOTE	Harmonized as EN 60079-29-3.

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.

<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 60079-10-1	2008	Explosive atmospheres -- Part 10-1: Classification of areas - Explosive gas atmospheres	EN 60079-10-1	2009
IEC 60079-10-2	-	Explosive atmospheres -- Part 10-2: Classification of areas - Combustible dust atmospheres	EN 60079-10-2	-
IEC 60079-13	-	Explosive atmospheres -- Part 13: Equipment protection by pressurized room	EN 60079-13	-
IEC 60079-17	-	Explosive atmospheres -- Part 17: Electrical installations inspection and maintenance	EN 60079-17	-
IEC 60079-19	-	Explosive atmospheres -- Part 19: Equipment repair, overhaul and reclamation	EN 60079-19	-
IEC 60079-29-1 (mod)	2007	Explosive atmospheres -- Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases	EN 60079-29-1	2007
IEC 60079-29-4	-	Explosive atmospheres -- Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases	EN 60079-29-4	-
IEC 61285	-	Industrial-process control - Safety of analyzer houses	EN 61285	-

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INTERNATIONAL STANDARD

Explosive atmospheres –
Part 29-2: Gas detectors – Selection, installation, use and maintenance of
detectors for flammable gases and oxygen

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CONTENTS

FOREWORD.....	8
INTRODUCTION.....	11
1 Scope.....	13
2 Normative references	14
3 Terms and definitions	14
3.1 Gas properties and other physics.....	14
3.2 Types of equipment	16
3.3 Sensors and detectors	18
3.4 Supply of gas to instruments	19
3.5 Signals and alarms	19
3.6 Times, checks and equipment behaviour.....	20
3.7 Terms exclusive to open path equipment	21
4 Basic information on the properties, behaviour, gases and vapours, and specific applications of gas detection	23
4.1 Detecting gases and vapours	23
4.1.1 General	23
4.1.2 Safety when monitoring for flammable gases where personnel could be present.....	24
4.2 Some common properties of gases and vapours	25
4.3 The differences between detecting gases and vapours	26
4.3.1 General	26
4.3.2 Detection of gases.....	26
4.3.3 Detection of vapours.....	28
4.4 Oxygen deficiency.....	31
4.4.1 General	31
4.4.2 Chemical reaction of oxygen, with solid products	31
4.4.3 Chemical reaction of oxygen, with gaseous products	31
4.4.4 Dilution of the air by displacement by some other gas or vapour.....	32
4.5 Specific applications of gas detection	32
4.5.1 Gas detection as means of reducing risk of explosion.....	32
4.5.2 Gas free work permit	35
4.5.3 Monitoring of air inlets	36
4.6 Specific considerations for open path detection	36
5 Measuring principles.....	37
5.1 General.....	37
5.2 Catalytic sensors	39
5.2.1 General	39
5.2.2 Common applications	39
5.2.3 Limitations	39
5.2.4 Interferences	40
5.2.5 Poisoning	40
5.3 Thermal conductivity sensors.....	41
5.3.1 General	41
5.3.2 Common applications	41
5.3.3 Limitations.....	41
5.3.4 Interferences	41

5.3.5	Poisoning	41
5.4	Infrared sensors	41
5.4.1	General	41
5.4.2	Common applications	42
5.4.3	Limitations	42
5.4.4	Interferences	42
5.4.5	Poisoning	42
5.5	Semiconductor sensors	43
5.5.1	General	43
5.5.2	Common applications	43
5.5.3	Limitations	43
5.5.4	Interferences	43
5.5.5	Poisoning	43
5.6	Electrochemical sensors	44
5.6.1	General	44
5.6.2	Common applications	44
5.6.3	Limitations	44
5.6.4	Interferences	44
5.6.5	Poisoning	44
5.7	Flame ionization detectors (FID)	45
5.7.1	General	45
5.7.2	Common applications	45
5.7.3	Limitations	45
5.7.4	Interferences	45
5.7.5	Poisoning	45
5.8	Flame temperature analysers (FTA)	45
5.8.1	General	45
5.8.2	Common applications	45
5.8.3	Limitations	46
5.8.4	Interferences	46
5.8.5	Poisoning	46
5.9	Photo ionisation detector (PID)	46
5.9.1	General	46
5.9.2	Common applications	46
5.9.3	Limitations	46
5.9.4	Interferences	46
5.9.5	Poisoning	47
5.10	Paramagnetic oxygen detector	47
5.10.1	General	47
5.10.2	Common applications	47
5.10.3	Limitations	47
5.10.4	Interference	47
5.10.5	Poisoning	47
6	Selection of equipment	47
6.1	General	47
6.2	Selection criteria	48
6.2.1	General criteria	48
6.2.2	Gases to be detected by the equipment	49
6.2.3	Application of fixed equipment	50

6.2.4	Application of transportable and portable equipment.....	54
6.3	Miscellaneous factors affecting selection of equipment	55
6.3.1	Electromagnetic immunity.....	55
6.3.2	Intended Zone(s) of use.....	55
7	Behaviour of gas releases	55
7.1	Nature of a release	55
7.1.1	General	55
7.1.2	Release rate of gas or vapour.....	55
7.1.3	Flammable limits.....	56
7.1.4	Ventilation	56
7.1.5	Relative density of the released gas or vapour.....	56
7.1.6	Temperature and/or pressure.....	57
7.1.7	Other parameters to be considered.....	57
7.1.8	Outdoor sites and open structures	57
7.2	Buildings and enclosures	57
7.2.1	General	57
7.2.2	Unventilated buildings and enclosures.....	57
7.2.3	Ventilated buildings and enclosures.....	58
7.3	Environmental considerations	59
8	Design and installation of fixed gas detection systems.....	59
8.1	General.....	59
8.2	Basic considerations for the installation of fixed systems	59
8.2.1	General	59
8.2.2	Point detection equipment and remote sensors.....	60
8.2.3	Systems consisting of sampling equipment.....	60
8.2.4	Open path (line of sight) equipment.....	61
8.3	Location of detection points	61
8.3.1	General	61
8.3.2	General site considerations	61
8.3.3	Environmental conditions.....	62
8.4	Access for calibration and maintenance	65
8.5	Additional considerations for sample lines.....	65
8.6	Additional considerations for open path equipment	66
8.7	Summary of considerations for the location of measuring points and open paths	66
8.8	Installation of measuring point and open path equipment.....	67
8.9	Integrity and safety of fixed systems	67
8.9.1	General	67
8.9.2	Redundancy in fixed systems.....	68
8.9.3	Protection against loss of main power supply.....	68
8.10	Timing of installation during construction operations	68
8.11	Commissioning	68
8.11.1	Inspection.....	68
8.11.2	Initial gas calibration.....	69
8.11.3	Adjustment of alarm set points.....	69
8.12	Operating instructions, plans and records	70
9	Use of portable and transportable flammable gas detection equipment.....	70
9.1	General.....	70

9.2	Initial and periodic check procedures for portable and transportable instrumentation	71
9.2.1	General	71
9.2.2	Inspection and functional checks	72
9.2.3	Routine tests and recalibration	73
9.2.4	Maintenance and recalibration	73
9.3	Guidance on the use of portable and transportable equipment	74
9.3.1	Electrical safety in hazardous atmospheres	74
9.3.2	Safety of personnel	74
9.3.3	Spot tests and sampling	75
9.3.4	Sampling above liquids	75
9.3.5	Avoidance of condensation	75
9.3.6	Poisoning of sensors	75
9.3.7	Changes of temperature	76
9.3.8	Accidental damage	76
9.3.9	Minimalist operation, the “Read and run” concept	76
10	Training of operational personnel	76
10.1	General	76
10.2	General training – Basic limitations and safety	77
10.3	Operator training	77
10.4	Maintenance training	78
11	Maintenance, routine procedures and general administrative control	78
11.1	General	78
11.2	Operational checks	80
11.2.1	General	80
11.2.2	Fixed systems	80
11.2.3	Portable and transportable gas detection equipment	81
11.3	Maintenance	81
11.3.1	General	81
11.3.2	Fixed equipment	81
11.3.3	Portable and transportable gas detection equipment	82
11.3.4	Off-site maintenance, general	82
11.3.5	Maintenance procedures	82
11.4	Sensors	82
11.4.1	General	82
11.4.2	Flame arrestor	83
11.5	Flow systems	83
11.5.1	General	83
11.5.2	Inspection	83
11.5.3	Filters, traps and flame arrestors	83
11.5.4	Flow system and sample chamber	83
11.5.5	Flow connections	83
11.5.6	Moving parts	83
11.5.7	Automatic sample-draw systems	83
11.5.8	Loss-of-flow signals	83
11.6	Readout devices	83
11.6.1	General	83
11.6.2	Other readouts	84
11.7	Alarms	84

11.8	Calibration	84
11.8.1	Calibration kits and test equipment	84
11.8.2	Calibration procedure	85
Annex A	(normative) Measuring principles	87
A.1	General.....	87
A.2	Catalytic sensors	89
A.2.1	General	89
A.2.2	Common applications	90
A.2.3	Limitations	90
A.2.4	Interferences	90
A.2.5	Poisoning	91
A.3	Thermal conductivity sensors.....	92
A.3.1	General	92
A.3.2	Common applications	92
A.3.3	Limitations	93
A.3.4	Interferences	93
A.3.5	Poisoning	93
A.4	Infrared sensors.....	93
A.4.1	General	93
A.4.2	Common applications	95
A.4.3	Limitations	96
A.4.4	Interferences	96
A.4.5	Poisoning	97
A.5	Semi-conductor sensors.....	97
A.5.1	General.....	97
A.5.2	Common applications	97
A.5.3	Limitations	97
A.5.4	Interferences	98
A.5.5	Poisoning	98
A.6	Electrochemical sensors	98
A.6.1	General	98
A.6.2	Common applications	99
A.6.3	Limitations	99
A.6.4	Interferences	100
A.6.5	Poisoning	100
A.7	Flame ionization detectors (FID)	101
A.7.1	General	101
A.7.2	Common applications	102
A.7.3	Limitations	102
A.7.4	Interferences	102
A.7.5	Poisoning	102
A.8	Flame temperature analysers (FTA).....	103
A.8.1	General	103
A.8.2	Common applications	103
A.8.3	Limitations	103
A.8.4	Interferences	103
A.8.5	Poisoning	103
A.9	Photo ionisation detector (PID)	104
A.9.1	General	104

A.9.2	Common applications	104
A.9.3	Limitations	105
A.9.4	Interferences	105
A.9.5	Poisoning	105
A.10	Paramagnetic oxygen detector	105
A.10.1	General	105
A.10.2	Common applications	106
A.10.3	Limitations	106
A.10.4	Interference	106
A.10.5	Poisoning	106
Annex B (informative)	Environmental parameters	107
Annex C (informative)	Typical environmental and application check-list for flammable gas detectors (for both Group I and Group II equipment)	108
Annex D (informative)	Typical instrument maintenance record for flammable gas detectors	110
Annex E (informative)	Atmospheric visibility	112
Bibliography	113
Figure 1	– Integral concentration over the path length	37
Figure 2	– Average concentration over the path length	37
Table 1	– Typical Tasks and Most Relevant Causes	12
Table 2	– Overview of gas detection equipment with different measuring principles	38
Table A.1	– Overview of gas detection equipment with different measuring principles	88
Table B.1	– Environmental parameters	107

INTERNATIONAL ELECTROTECHNICAL COMMISSION

EXPLOSIVE ATMOSPHERES –

**Part 29-2: Gas detectors – Selection, installation, use
and maintenance of detectors for flammable gases and oxygen**

FOREWORD

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International Standard IEC 60079-29-2 has been prepared by IEC technical committee 31: Equipment for explosive atmospheres.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

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

Changes	Clause	Type		
		Minor and editorial changes	Extension	Major technical changes
Addition of group 1 to scope	1		x	
Addition of Open Path Gas Detection	3, 4.6, 5.4, 6.2.3.5, 8.2, 8.6, 8.7, 8.8, 11, A4		x	
Changed “combustible” to “flammable”	Throughout	x		
Addition of specific applications	4.5		x	
Improvements to sampling systems	6.2.3.4, 8.2.3, 8.5, 11.2.2	x		

NOTE The technical changes referred to include the significance of technical changes in the revised IEC Standard, but they do not form an exhaustive list of all modifications from the previous version. More guidance may be found by referring to the Redline Version of the standard.

Explanations:

- 1) **Minor and editorial changes** clarification
decrease of technical requirements
minor technical change
editorial corrections

These are changes which modify requirements in an editorial or a minor technical way. They include changes of the wording to clarify technical requirements without any technical change, or a reduction in level of existing requirement.

- 2) **Extension** addition of technical options

These are changes which add new or modify existing technical requirements, in a way that new options are given, but without increasing requirements for equipment that was fully compliant with the previous standard. Therefore, these will not have to be considered for products in conformity with the preceding edition.

NOTE These changes represent current technological knowledge. However, these changes should not normally have an influence on equipment already placed on the market.

- 3) **Major technical changes** addition of technical requirements
increase of technical requirements

These are changes to technical requirements (addition, increase of the level or removal) made in a way that a product in conformity with the preceding edition will not always be able to fulfil the requirements given in the later edition. These changes have to be considered for products in conformity with the preceding edition.

NOTE These changes represent current technological knowledge. However, these changes should not normally have an influence on equipment already placed on the market.

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

FDIS	Report on voting
31/1169/FDIS	31/1179/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.