



SLOVENSKI STANDARD
SIST EN 60079-29-1:2017/A11:2022
01-november-2022

Eksplozivne atmosfere - 29-1. del: Javljalniki plina - Zahteve za delovanje javljalnikov vnetljivih plinov - Dopolnilo A11

Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases

Explosionsfähige Atmosphäre - Teil 29-1: Gasmessgeräte - Anforderungen an das Betriebsverhalten von Geräten für die Messung brennbarer Gase

Atmosphères explosives - Partie 29-1: DéTECTeurs de gaz - Exigences d'aptitude à la fonction des détecteurs de gaz inflammables

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Ta slovenski standard je istoveten z: EN 60079-29-1:2016/A11:2022

ICS:

13.320	Alarmni in opozorilni sistemi	Alarm and warning systems
29.260.20	Električni aparati za eksplozivna ozračja	Electrical apparatus for explosive atmospheres

SIST EN 60079-29-1:2017/A11:2022 en,fr,de

**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

EN 60079-29-1:2016/A11

May 2022

ICS 29.260.20

English Version

Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases

Atmosphères explosives - Partie 29-1: DéTECTEURS de gaz -
Exigences d'aptitude à la fonction des détecteurs de gaz
inflammables

Explosionsfähige Atmosphäre - Teil 29-1: Gasmessgeräte -
Anforderungen an das Betriebsverhalten von Geräten für
die Messung brennbarer Gase

This amendment A11 modifies the European Standard EN 60079-29-1:2016; it was approved by CENELEC on 2021-12-16. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 60079-29-1:2016/A11:2022) has been prepared by CLC/TC 31 "Electrical apparatus for potentially explosive atmospheres".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-11-13
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2025-05-13

This document is to be read in conjunction with EN 60079-29-1:2016/A1:2022.

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 EN 60079-29-1:2016/A1:2022.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website

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1 Modification to Clause 5, “Test methods”

Replace the entire subclause 5.4.21 by the following:

“5.4.21 Electromagnetic compatibility

The equipment shall be set up under normal conditions, in accordance with 5.3, and then shall be subjected to the tests specified in EN 50270.”

2 Modification to Table A.1, “Performance Requirements”

In Table A.1, replace the row referring to subclause 5.4.21 by:

“

Sub-clause	Test	Group I equipment limits (whichever value is greater)		Group II equipment limits (whichever value is greater)		
		Volume fraction up to 5 % methane in air indication	Volume fraction up to 100 % methane in air indication	Volume fraction up to 20 % lower flammable limit indication	Volume fraction up to 100 % lower flammable limit indication	Volume fraction up to 100 % gas indication
5.4.21	Electromagnetic compatibility	According to EN 50270	According to EN 50270	According to EN 50270	According to EN 50270	According to EN 50270

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