

**SLOVENSKI STANDARD
SIST EN 50054:1997/A1:1997
01-junij-1997**

Electrical apparatus for the detection and measurement of combustible gases - General requirements and test methods - Amendment 1

Electrical apparatus for the detection and measurement of combustible gases - General requirements and test methods

Elektrische Geräte für das Aufspüren und die Messung brennbarer Gase - Allgemeine Anforderungen und Prüfmethoden

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Appareils électriques de détection et de mesure des gaz combustibles - Règles générales et méthodes d'essais

[SIST EN 50054:1997/A1:1997](#)

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Ta slovenski standard je istoveten z: EN 50054:1991/A1:1995

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 50054:1997/A1:1997

en

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EUROPEAN STANDARD

EN 50054/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 1995

UDC 614.838.14:621.317.7:614.833.4:620.1
ICS 13.220.60; 19.080

Descriptors: Electrical apparatus, explosive atmosphere, detector, measuring apparatus, flammable gas, combustible gas, safety requirement, test method

English version

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measurement of combustible gases
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This amendment A1 modifies the European Standard EN 50054:1991; it 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 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 Central Secretariat 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 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

This amendment was prepared by SC 31-9, Electrical apparatus for the detection and measurement of combustible gases to be used in industrial and commercial potentially explosive atmospheres, of Technical Committee CENELEC TC 31, Electrical apparatus for explosive atmospheres.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 50054:1991 on 1995-03-06.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-03-15
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-03-15

For products which have complied with EN 50054:1991 before 1996-03-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-03-15.

iTeh STANDARD PREVIEW**4 Test requirements**

<http://www.iteh.ai/standards/EN50054-1997-A1-1997.html>

4.4.4.2 Add:

<http://www.iteh.ai/standards/EN50054-1997-A1-1997.html>

For portable apparatus, it shall be switched on for a period of 8 h per day over a 4 week period and exposed to the standard test gas for 3 min at weekly intervals over that period.

4.4.4.3 Add:

For portable apparatus, it shall be switched on for a period of 8 h over a period of 3 months and exposed to the standard test gas for 3 min at intervals of approximately two weeks over that period.

5 Field calibration kit (applicable to Group II apparatus only)

Delete "(applicable to Group II apparatus only)" from the title of this clause.

Annex A Flammability limits (i.e. LEL and UEL) of some flammable gases and vapours

For "Acetylene", replace the UEL value of 100 % (v/v) by 81 % (v/v).