



National Standards Authority of Ireland

STANDARD

I.S. EN 50241-1:1999

ICS 13.320

**SPECIFICATION FOR OPEN PATH
APPARATUS FOR THE DETECTION OF
COMBUSTIBLE OR TOXIC GASES AND
VAPOURS PART 1: GENERAL
REQUIREMENTS AND TEST METHODS**

National Standards
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Dublin 9
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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50241-1A1:2004

ICS 13.320;19.0

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EUROPEAN STANDARD

EN 50241-1/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2004

ICS 13.320; 19.080

English version

**Specification for open path apparatus
for the detection of combustible or toxic gases and vapours
Part 1: General requirements and test methods**

Spécifications pour les détecteurs
à chemin optique ouvert de gaz
et vapeurs toxiques
Partie 1: Règles générales et méthodes
d'essai

Anforderungen an Geräte mit offener
Messstrecke für die Detektion brennbarer
oder toxischer Gase und Dämpfe
Teil 1: Allgemeine Anforderungen und
Prüfverfahren

This amendment A1 modifies the European Standard EN 50241-1:1999; it was approved by CENELEC on 2004-02-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 to the European Standard EN 50241-1:1999 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 50241-1:1999 on 2004-02-01.

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) 2004-08-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2004-08-01

Add the following wording at the end of 4.1.2:

All equipment and components intended for use in potentially explosive atmospheres shall be designed and constructed according to good engineering practice and in conformity with the required categories for group I and II equipment to ensure avoidance of any ignition source. To classify the category of the equipment it shall be subjected to a formal documented hazard analysis.

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