

# Electrical apparatus for the detection and measurement of flammable gases —

**Part 2: Performance requirements for  
group I apparatus indicating a volume  
fraction up to 5% methane in air**

The European Standard EN 61779-2:2000 has the status of a  
British Standard

ICS 13.320; 29.260.20; 75.180.30

## National foreword

This British Standard is the official English language version of EN 61779-2:2000. It was derived by CENELEC from IEC 61779-2:1998. It supersedes BS EN 50055:1999 which will be withdrawn on 30 June 2003.

The CENELEC common modifications have been implemented at the appropriate places in the text and are indicated by a sideline in the margin.

The UK participation in its preparation was entrusted by Technical Committee GEL/31, Electrical apparatus for explosive atmospheres, to Subcommittee GEL/31/19, Gas detectors, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

From 1 January 1997, all IEC publications have the number 60000 added to the old number. For instance, IEC 27-1 has been renumbered as IEC 60027-1. For a period of time during the change over from one numbering system to the other, publications may contain identifiers from both systems.

### Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled "International Standards Correspondence Index", or by using the "Find" facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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### Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 7 and a back cover.

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### Amendments issued since publication

Amd. No.	Date	Comments

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English version

**Electrical apparatus for the detection and measurement of flammable gases****Part 2: Performance requirements for group I apparatus indicating a volume fraction up to 5 % methane in air  
(IEC 61779-2:1998, modified)**

Appareils électriques de détection et de mesure des gaz combustibles  
Partie 2: Règles de performances des appareils du groupe I pouvant indiquer une fraction volumique jusqu'à 5 % de méthane dans l'air  
(CEI 61779-2:1998, modifiée)

Elektrische Geräte für die Detektion und Messung brennbarer Gase  
Teil 2: Anforderungen an das Betriebsverhalten von Geräten der Gruppe I mit einem Meßbereich bis zu 5 % Volumenanteil Methan in Luft  
(IEC 61779-2:1998, modifiziert)

This European Standard was approved by CENELEC on 2000-01-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, 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

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