



SLOVENSKI STANDARD
SIST EN 61207-2:1998

01-november-1998

Expression of performance of gas analyzers - Part 2: Oxygen in gas (utilizing high-temperature electrochemical sensors) (IEC 61207-2:1994)

Expression of performance of gas analyzers -- Part 2: Oxygen in gas (utilizing high-temperature electrochemical sensors)

Angabe zum Betriebsverhalten von Gasanalysatoren -- Teil 2: Sauerstoff in Gas (unter Verwendung von elektrochemischen Hochtemperatur-Sensoren)

Expression des qualités de fonctionnement des analyseurs de gaz -- Partie 2: Oxygène contenu dans le gaz (utilisant des senseurs électrochimiques à haute température)

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Ta slovenski standard je istoveten z: EN 61207-2:1994

ICS:

71.040.40 Kemijska analiza Chemical analysis

SIST EN 61207-2:1998 **en**

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UDC 621.317.79:543.27: 543.25

Descriptors: Gaseous mixtures, oxygen in gaseous mixtures, gas analyzers, performance of gas analyzers, high temperature electrochemical sensors

ENGLISH VERSION

Expression of performance of gas analyzers
Part 2: Oxygen in gas (utilizing high-temperature electrochemical sensors)
(IEC 1207-2:1994 + corrigendum 1994)

Expression des qualités de
fonctionnement des analyseurs
de gaz
Partie 2: Oxygène contenu dans
le gaz (utilisant des capteurs
électrochimiques à haute
température)
(CEI 1207-2:1994)

Angabe zum Betriebsverhalten von
Gasanalysatoren
Teil 2: Sauerstoff in Gas (unter
Verwendung von elektrochemischen
Hochtemperatur-Sensoren)
(IEC 1207-2:1994)

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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, 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

The text of document 65D(CO)3, as prepared by Sub-Committee 65D: Analyzing equipment, of IEC Technical Committee 65: Industrial-process measurement and control, was submitted to the IEC-CENELEC parallel vote in October 1993.

The reference document was approved by CENELEC as EN 61207-2 on 15 May 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-05-15
- latest date of withdrawal of conflicting national standards (dow) 1995-05-15

For products which have complied with the relevant national standard before 1995-05-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-05-15.

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given only for information. In this standard, annex ZA is normative.

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ENDORSEMENT NOTICE

The text of the International Standard IEC 1207-2:1994 and its corrigendum May 1994 was approved by CENELEC as a European Standard without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
-----	----	-----	-----	----
654	series	Industrial-process measurement and	EN 60654	series
	series	control equipment - Operating conditions	HD 413	series
1207-1	1994	Expression of performance of gas analyzers - Part 1: General	EN 61207-1	1994

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC
1207-2**

Première édition
First edition
1994-04

**Expression des qualités de fonctionnement
des analyseurs de gaz –**

Partie 2:

**Oxygène contenu dans le gaz
(utilisant des capteurs électrochimiques
à haute température)**

SIST EN 61207-2:1998

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Expression of performance of gas analyzers –

Part 2:

**Oxygen in gas
(utilizing high-temperature electrochemical sensors)**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue

Publication 1207-2 de la CEI
(Première édition - 1994)

Expression des qualités de
fonctionnement des analyseurs de gaz

Partie 2: Oxygène contenu dans le gaz
(utilisant des capteurs électrochimiques
haute température)

IEC Publication 1207-2
(First edition - 1994)

Expression of performance
of gas analyzers

Part 2: Oxygen in gas (utilizing high-
temperature electrochemical sensors)

C O R R I G E N D U M 1

Ne concerne que le texte anglais

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*In Note 2, under equations (1), (2) and (3),
in the explanation of E, instead of*

... from the cell in mV;

read

... from the cell in V;

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May 1994

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

EXPRESSION OF PERFORMANCE OF GAS ANALYZERS –

**Part 2: Oxygen in gas
(utilizing high-temperature electrochemical sensors)**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
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- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

International Standard IEC 1207-2 has been prepared by sub-committee 65D: Analyzing equipment, of IEC technical committee 65: Industrial-process measurement and control.

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

DIS	Report on voting
65D(CO)3	65D(CO)8

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

IEC 1207-2 constitutes part 2 of the 1207 series of publications under the general title: *Expression of performance of gas analyzers.*

Part 1: General

Part 2: Oxygen in gas (utilising high-temperature electrochemical sensors)

Part 6: Photometric analyzers

Part 7: Infra-red analyzers

Parts 3, 4 and 5 are under consideration.