

Expression of performance of electrochemical analyzers  
- Part 4: Dissolved oxygen in water measured by  
membrane-covered amperometric sensors

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 60746-4:2019 sisaldab Euroopa standardi EN IEC 60746-4:2019 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 60746-4:2019 consists of the English text of the European standard EN IEC 60746-4:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 01.03.2019.	Date of Availability of the European standard is 01.03.2019.
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ICS 19.080, 71.040.40

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ICS 71.040.40; 19.080

English Version

**Expression of performance of electrochemical analyzers - Part 4:  
Dissolved oxygen in water measured by membrane-covered  
amperometric sensors  
(IEC 60746-4:2018)**

Expression des qualités de fonctionnement des analyseurs  
électrochimiques - Partie 4: Oxygène dissous dans l'eau  
mesuré par des capteurs ampérométriques recouverts  
d'une membrane  
(IEC 60746-4:2018)

Angabe zum Betriebsverhalten von elektrochemischen  
Analysatoren - Teil 4: Gelöster Sauerstoff in Wasser mit  
Hilfe membranbedeckter amperometrischer Messzellen  
(IEC 60746-4:2018)

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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.

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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**

## European foreword

The text of document 65B/1128/FDIS, future edition 2 of IEC 60746-4, prepared by SC 65B "Measurement and control devices" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60746-4:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-10-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-01-17

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The text of the International Standard IEC 60746-4:2018 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO 9001	NOTE	Harmonized as EN ISO 9001
ISO 5814:2012	NOTE	Harmonized as EN ISO 5814:2012 (not modified)

## **Annex ZA**

(normative)

### **Normative references to international publications with their corresponding European publications**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60746-1	2003	Expression of performance of electrochemical analyzers - Part 1: General	EN 60746-1	2003

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**EXPRESSION OF PERFORMANCE OF  
ELECTROCHEMICAL ANALYZERS –****Part 4: Dissolved oxygen in water measured  
by membrane-covered amperometric sensors**

## FOREWORD

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International Standard IEC 60746-4 has been prepared by subcommittee 65B: Measurement and control devices, of IEC technical committee 65: Industrial-process measurement, control and automation.

This second edition cancels and replaces the first edition published in 1992. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) terms and definitions have been revised to meet the requirements of ISO/IEC Directives Part 2:2016.
- b) ISO 5814:2012 is cited as reference for solubility tables of dissolved oxygen in water with variable salt content at different pressure and temperature.



The text of this International Standard is based on the following documents:

FDIS	Report on voting
65B/1128/FDIS	65B/1138/RVD

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60746 series, published under the general title *Expression of performance of electrochemical analyzers*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.