

Air quality - Measurement of stationary source emissions - Requirements for measurement sections and sites and for the measurement objective, plan and report

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15259:2007 sisaldab Euroopa standardi EN 15259:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15259:2007 consists of the English text of the European standard EN 15259:2007.</p> <p>This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard specifies the following requirements:a) requirements for measurement sections and sites with respect to performing emission measurements;b) requirements for the measurement objective, plan and report of emission measurements of air pollutants and reference quantities to be carried out in waste gas ducts at industrial plants.This European Standard applies to periodic measurements using manual or automated reference methods (RM).This European Standard specifies generic principles which can be applied to perform emission measurements at different plant types and to meet different measurement objectives.</p>	<p>Scope: This European Standard specifies the following requirements:a) requirements for measurement sections and sites with respect to performing emission measurements;b) requirements for the measurement objective, plan and report of emission measurements of air pollutants and reference quantities to be carried out in waste gas ducts at industrial plants.This European Standard applies to periodic measurements using manual or automated reference methods (RM).This European Standard specifies generic principles which can be applied to perform emission measurements at different plant types and to meet different measurement objectives.</p>
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ICS 13.040.40

Võtmesõnad:

ICS 13.040.40

English Version

Air quality - Measurement of stationary source emissions - Requirements for measurement sections and sites and for the measurement objective, plan and report

Qualité de l'air - Mesurage des émissions de sources fixes -
Exigences relatives aux sections et aux sites de mesurage
et relatives à l'objectif, au plan et au rapport de mesurage

Luftbeschaffenheit - Messung von Emissionen aus
stationären Quellen - Anforderungen an Messstrecken und
Messplätze und an die Messaufgabe, den Messplan und
den Messbericht

This European Standard was approved by CEN on 18 August 2007.

CEN 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 CEN Management Centre or to any CEN 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 CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 15259:2007) has been prepared by Technical Committee CEN/TC 264 "Air quality", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

This document has been prepared by WG 19 "Emissions monitoring strategy" of CEN/TC 264 as one of three documents on measurements of stationary source emissions consisting of:

- *EN 15259, Air quality — Measurement of stationary source emissions — Requirements for measurement sections and sites and for the measurement objective, plan and report*
- *CEN/TS 15674, Air quality — Measurement of stationary source emissions — Guidelines for the elaboration of standardised methods*
- *CEN/TS 15675, Air quality — Measurement of stationary source emissions — Application of EN ISO/IEC 17025:2005 to periodic measurements*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard defines requirements for

- a) measurement sections and sites at waste gas ducts of industrial plants and
- b) measurement objective, plan and report.

This European Standard is intended to ensure reliable and comparable results when used in conjunction with reference methods such as those that have been developed by CEN/TC 264.

This European Standard is important to plant designers, constructors, plant operators, testing laboratories, accreditation bodies and regulators.

This European Standard requires the specification of a measurement objective. There can be various objectives for measuring emissions, e.g.

- for assessing whether industrial installations are operating in compliance with IPPC permits [1] (emission limit value compliance assessment),
- for emissions declaration and reporting for emission inventories (e.g. local, national and international e.g. for EPER [1], [2]),
- for acceptance tests (proof of guarantee),
- in case of complaints,
- for obtaining a permit (e.g. following changes to process operations or plant design),
- after expiration of a set time interval to establish the condition of the plant,
- in case of interruption or disturbance of operations,
- within the framework of safety precaution investigations,
- for the calibration of continuously operating emission measuring systems,
- for checking the function of continuously operating emission measuring systems,
- to establish the cause of particular emission behaviour (e.g. the determination of the cause of a failure of the waste gas treatment to maintain the guaranteed/required level of cleaning),
- to give a prognosis of likely emission levels in special operating conditions, e.g. after changes of procedure, in case of disturbance or interruption, or in case of expansion of capacity,
- for establishing emission trading schemes [3],
- for determining emission factors and
- for assessing available techniques for an industry sector (e.g. at company, sector and EU level) [3].

1 Scope

This European Standard specifies the following requirements:

- a) requirements for measurement sections and sites with respect to performing emission measurements;
- b) requirements for the measurement objective, plan and report of emission measurements of air pollutants and reference quantities to be carried out in waste gas ducts at industrial plants.

This European Standard applies to periodic measurements using manual or automated reference methods (RM).

This European Standard specifies generic principles which can be applied to perform emission measurements at different plant types and to meet different measurement objectives.

NOTE The measurement objective is specified by the customer. The testing institute identifies the measurement objective and related regulatory requirements at the beginning of the measurement planning. Where measurements are being made for regulatory purposes, the customer should seek approval from the competent authority.

This European Standard specifies procedures for taking representative samples in waste gas ducts.

This European Standard specifies a procedure for finding the best available sampling point for automated measuring systems used for continuous monitoring of emissions.

The planning and reporting aspects of this European Standard are applicable to emission measurements at diffusive and fugitive emission sources.

This European Standard does not address aspects of structural safety of chimneys and ducts, construction of working platforms and safety of personnel using them.

2 Normative references

The following referenced documents are indispensable for the application 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.

Not applicable.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

NOTE These terms and definitions are in accordance with VIM and CEN/TS 15674.

3.1 measurement

set of operations having the object of determining a value of a quantity

[VIM:1993, 2.1]

NOTE The operations can be performed automatically.

3.2 individual measurement

measurement carried out over a defined period of time