

SLOVENSKI STANDARD

SIST EN ISO 25139:2011

01-december-2011

Emisije nepremičnih virov - Ročna metoda za določevanje koncentracije metana s plinsko kromatografijo (ISO 25139:2011)

Stationary source emissions - Manual method for the determination of the methane concentration using gas chromatography (ISO 25139:2011)

Emissionen aus stationären Quellen - Manuelles Verfahren zur Bestimmung der Methan-Konzentration mit Gaschromatographie (ISO 25139:2011)

~~SIST EN ISO 25139:2011~~

~~(standards.iteh.ai)~~

Émissions de sources fixes - Méthode manuelle pour la détermination de la concentration en méthane par chromatographie en phase gazeuse (ISO 25139:2011)

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

Ta slovenski standard je istoveten z: EN ISO 25139:2011

ICS:

13.040.40 Emisije nepremičnih virov Stationary source emissions

SIST EN ISO 25139:2011

en,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 25139:2011

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 25139

April 2011

ICS 13.040.40

English Version

Stationary source emissions - Manual method for the determination of the methane concentration using gas chromatography (ISO 25139:2011)

Émissions de sources fixes - Méthode manuelle pour la détermination de la concentration en méthane par chromatographie en phase gazeuse (ISO 25139:2011)

Emissionen aus stationären Quellen - Manuelles Verfahren zur Bestimmung der Methan-Konzentration mit Gaschromatographie (ISO 25139:2011)

This European Standard was approved by CEN on 14 April 2011.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, 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.

<https://standards.iteh.ai/catalog/standards/sist/20ba83e7-cc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	Page
Foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 25139:2011
<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

Foreword

This document (EN ISO 25139:2011) has been prepared by Technical Committee ISO/TC 146 "Air quality" in collaboration with 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 October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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, Croatia, 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 the United Kingdom.

Endorsement notice

iTeh STANDARD PREVIEW
The text of ISO 25139:2011 has been approved by CEN as a EN ISO 25139:2011 without any modification.
(standards.iteh.ai)

[SIST EN ISO 25139:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 25139:2011

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

INTERNATIONAL
STANDARD

ISO
25139

First edition
2011-04-15

**Stationary source emissions — Manual
method for the determination of the
methane concentration using gas
chromatography**

*Émissions de sources fixes — Méthode manuelle pour la détermination
de la concentration en méthane par chromatographie en phase*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 25139:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>



Reference number
ISO 25139:2011(E)

© ISO 2011

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 25139:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	2
5 Principle	3
6 Equipment	4
6.1 Sampling system	4
6.2 Analytical apparatus	6
7 Measurement procedure	6
7.1 General	6
7.2 Sampling	6
7.3 Analytical determination	8
7.4 Interferents	8
8 Calculation of the results	8
9 Quality assurance and quality control procedures	10
9.1 General	10
9.2 Criteria and frequency of checks	10
9.3 Performing the checks	11
9.4 Check of the measurement system	12
10 Performance characteristics	12
11 Test report	12
Annex A (normative) Operational gases	13
Annex B (normative) Quality assurance and quality control procedures	14
Annex C (informative) Typical performance characteristics	16
Bibliography	18

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 25139 was prepared by Technical Committee ISO/TC 146, *Air quality*, Subcommittee SC 1, *Stationary source emissions*.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 25139:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

Introduction

Methane (CH_4) is a gas of relevance to the climate ("greenhouse gas") and contributes directly to the atmospheric greenhouse effect. The emissions of methane originate from natural sources and those due to human activity. Significant sources are, for example, cattle breeding, cultivation of rice, extraction and transport of natural gas, and landfills. Other important sources contributing to emissions of methane are, for example, composting plants, the use of biogas and natural gas, and biomass firings. This International Standard specifies a method of measurement for the determination of methane emissions from stationary sources.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 25139:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 25139:2011

<https://standards.iteh.ai/catalog/standards/sist/26ba63e7-bc6b-469f-a637-b930a2ba8c0d/sist-en-iso-25139-2011>