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Standards

Irish Standard
I.S. CEN/TS 17021:2017

Stationary source emissions - Determination of the mass concentration of sulphur dioxide by instrumental techniques

I.S. CEN/TS 17021:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. CEN/TS 17021:2017 is the adopted Irish version of the European Document CEN/TS 17021:2017, Stationary source emissions - Determination of the mass concentration of sulphur dioxide by instrumental techniques

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TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
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CEN/TS 17021

January 2017

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English Version

**Stationary source emissions - Determination of the mass
concentration of sulphur dioxide by instrumental
techniques**

Émissions de sources fixes - Détermination de la
concentration massique en dioxyde de soufre par des
techniques instrumentales

Emissionen aus stationären Quellen - Ermittlung der
Massenkonzentration von Schwefeldioxid mit
instrumentellen Verfahren

This Technical Specification (CEN/TS) was approved by CEN on 23 October 2016 for provisional application.

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CEN/TS 17021:2017 (E)

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CEN/TS 17021:2017 (E)

European foreword

This document (CEN/TS 17021:2017) has been prepared by Technical Committee CEN/TC 264 “Air quality”, the secretariat of which is held by DIN.

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1 Scope

This Technical Specification describes a method for sampling and determining the concentration of gaseous sulphur dioxide (SO₂) emissions from stacks. This method is based on instrumental techniques. It is applicable to both periodic measurements and the calibration of automated measuring systems permanently installed on stacks, for regulatory or other purposes.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 15259:2007, *Air quality - Measurement of stationary source emissions - Requirements for measurement sections and sites and for the measurement objective, plan and report*

EN 14793:2016, *Stationary source emission - Demonstration of equivalence of an alternative method with a reference method*

EN 15267-4, *Air quality - Certification of automated measuring systems - Part 4: Performance criteria and test procedures for automated measuring systems for periodic measurements of emissions from stationary sources*

EN ISO 14956:2002, *Air quality - Evaluation of the suitability of a measurement procedure by comparison with a required measurement uncertainty (ISO 14956:2002)*

ISO/IEC Guide 98-3, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*

3 Terms and definitions

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

3.1

standard reference method

SRM

reference method prescribed by European or national legislation

[SOURCE: EN 15259:2007]

3.2

reference method

RM

measurement method taken as a reference by convention, which gives the accepted reference value of the measurand

NOTE 1 A reference method is fully described.

NOTE 2 A reference method can be a manual or an automated method.

NOTE 3 Alternative methods can be used if equivalence to the reference method has been demonstrated.

[SOURCE: EN 15259:2007]

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