ICS 13.040.40 PREDBEŽNÁ SLOVENSKÁ TECHNICKÁ NORMA December 2019

| STN P | **Ochrana ovzdušia<br>Stacionárne zdroje emisií<br>Stanovenie hmotnostnej koncentrácie viaczložkových plynných vzoriek<br>Infračervená spektroskopia pomocou Fourierovej transformácie** | **STN P<br>CEN/TS 17337**<br><br>83 4757 |
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Stationary source emissions - Determination of mass concentration of multiple gaseous species - Fourier transform infrared spectroscopy

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/19

Táto predbežná STN je určená na overenie. Pripomienky zasielajte ÚNMS SR najneskôr do 30. 6. 2021.

Obsahuje: CEN/TS 17337:2019

**129790**

# TECHNICAL SPECIFICATION
# SPÉCIFICATION TECHNIQUE
# TECHNISCHE SPEZIFIKATION

# CEN/TS 17337

June 2019

ICS 13.040.40

English Version

# Stationary source emissions - Determination of mass concentration of multiple gaseous species - Fourier transform infrared spectroscopy

Émissions de sources fixes - Détermination de la concentration en masse de multiples substances gazeuses - Spectroscopie infrarouge à transformée de Fourier

Emissionen aus stationären Quellen - Messung von Emissionen im Abgas mit FTIR-Geräten

This Technical Specification (CEN/TS) was approved by CEN on 1 April 2019 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**



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# European foreword

This document (CEN/TS 17337:2019) 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 document describes a method for sampling and determining the concentration of gaseous emissions to atmosphere of multiple species from ducts and stacks by extractive Fourier transform infrared (FTIR) spectroscopy.

This method is applicable to periodic monitoring and to the calibration or control of automated measuring systems (AMS) permanently installed on a stack, for regulatory or other purposes.

# 2 Normative references

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.

EN 14793:2017, *Stationary source emissions - Demonstration of equivalence of an alternative method with a reference method*

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 15267-4:2017, *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, *Air quality - Evaluation of the suitability of a measurement procedure by comparison with a required measurement uncertainty (ISO 14956)*

ISO/IEC Guide 98-3:2008, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*