

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-K-18674-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 06.12.2022

**Date of issue:** 06.12.2022

Holder of accreditation certificate:

**Höntzsch GmbH & Co. KG**  
**Gottlieb-Daimler-Straße 37, 71334 Waiblingen**

The calibration laboratory meets the minimal requirements of DIN EN ISO/IEC 17025:2018 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories and confirm generally with the principles of DIN EN ISO 9001.

Calibration in the fields:

#### **Mechanical quantities**

##### **Fluid quantities**

- **Velocity of gases**
- **Gas flow rate**
- **Volume of flowing gases**
- **Mass of flowing gases**

*This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.*

Abbreviations used: see last page

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**This document is a translation. The definitive version is the original German annex to the accreditation certificate.**

**Annex to the Accreditation Certificate D-K-18674-01-00**
**Permanent Laboratory**

Calibration and Measurement Capabilities (CMC)				
Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Fluid quantities</b> Velocity of gases	0.1 m/s to 70 m/s	V702-2-1:2022-08	0.5 %, but not less than 0.01 m/s	Reference standard: laser-Doppler-anemometer
Volume and volume rate of flowing gases	22 l/h to < 400 l/h	V702-2-5:2022-08 in connection with PTB Testing Instruction Volume 25:1998 supercritical nozzle gallery	0.39 %	Measuring range: Air within standard conditions of 20 °C and 1013.25 mbar Calibration medium: atmospheric air
	≥ 0.4 m <sup>3</sup> /h to 57.9 m <sup>3</sup> /h		0.36 %	
	5 m <sup>3</sup> /h to 250 m <sup>3</sup> /h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 rotary piston gas meter	0.30 %	
	200 m <sup>3</sup> /h to < 400 m <sup>3</sup> /h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 turbine gas meter	0.30 %	
	≥ 400 m <sup>3</sup> /h to 10000 m <sup>3</sup> /h		0.25 %	
Mass and mass rate of flowing gases	26 g/h to < 480 g/h	V702-2-5:2022-08 in connection with PTB Testing Instruction Volume 25:1998 supercritical nozzle gallery	0.39 %	Calibration medium: atmospheric air
	≥ 0.48 kg/h to 69.5 kg/h		0.36 %	
	6.0 kg/h to 300 kg/h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 rotary piston gas meter	0.30 %	
	250 kg/h to < 500 kg/h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 turbine gas meter	0.30 %	
	≥ 500 kg/h to 12000 kg/h		0.25 %	

**Abbreviations used:**

CMC	Calibration and measurement capabilities
PTB	Physikalisch-Technische Bundesanstalt
V702-2-1	ISO17025_V702-2-1_Kalibrierverfahren_WK320-LDA, in-house method of Höntzsch GmbH & Co. KG
V702-2-5	ISO17025_V702-2-5_Kalibrierverfahren_DVP, in-house method of Höntzsch GmbH & Co. KG
V702-2-3	ISO17025_V702-2-3_Kalibrierverfahren_AVP, in-house method of Höntzsch GmbH & Co. KG

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