

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-18193-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 16.01.2023

Date of issue: 16.01.2023

Holder of accreditation certificate:

Westenberg Engineering
Vitalisstraße 100, 50827 Köln

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.

Kalibrierungen in den Bereichen:

Mechanical Quantities

Fluid Quantities

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

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Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Fluid Quantities Velocity of gases (air) Anemometer	0.5 m/s to 45 m/s	VA Kalibrierung von Strömungsmessgeräten im Windkanal: 2022-11	0.7 %, but not less than 0.05 m/s	Wind tunnel: Eiffel design, nozzle: 800 mm
	0.1 m/s to 70 m/s		0.5 %, but not less than 0.01 m/s	Wind tunnel: Göttinger design, nozzle: 180 mm
	0.1 m/s to 40 m/s		0.5 %, but not less than 0.01 m/s	Wind tunnel: Göttinger design, nozzle: 255 mm
Volume flow rate resp. Volume of flowing gases	80 m ³ /h to 4300 m ³ /h	VA Kalibrierung von Volumenstrommessgeräten am Volumenstromprüfstand: 2022-11	1.5 %	Reference standard: inlet nozzles Differential pressure method

Abbreviations used:

- CMC Calibration and measurement capabilities
- DIN Deutsches Institut für Normung e.V.
- VA internal calibration procedure of Westenberg Engineering