

# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the calibration laboratory

**Westenberg Engineering, Vitalisstraße 100, 50827 Köln**

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the calibration laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

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

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 11.06.2025 with accreditation number D-K-18193-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the accreditation certificate: **D-K-18193-01-00**

*per procuratorem*

*Thomas Me*

Berlin, 11.06.2025

Dipl.-Wirtsch.-Ing. Tim Harnisch  
Head of Technical Unit

*per Procuratorem*

*Thomas Me*

Translation issued:  
11.06.2025

Dipl.-Wirtsch.-Ing. Tim Harnisch  
Head of Technical Unit

*The certificate together with the annex 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 ([www.dakks.de](http://www.dakks.de)).*

# Deutsche Akkreditierungsstelle GmbH

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The Deutsche Akkreditierungsstelle GmbH (DAkKS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkKS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkKS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

## Deutsche Akkreditierungsstelle

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

**Valid from:** 11.06.2025

**Date of issue:** 11.06.2025

Holder of accreditation certificate:

**Westenberg Engineering**  
**Vitalisstraße 100, 50827 Köln**

with the location

**Westenberg Engineering**  
**Vitalisstraße 100, 50827 Köln**

The calibration laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The calibration laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

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

Calibrations in the fields:

#### **Mechanical Quantities**

##### **Fluid Quantities**

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

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Abbreviations used: see last page

**Page 1 of 2**

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

**Permanent Laboratory**

**Calibration and Measurement Capabilities (CMC)**

| Measurement quantity / Calibration item                          | Range                | Measurement conditions / procedure                                               | Expanded uncertainty of measurement | Remarks                                                           |
|------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------|
| <b>Fluid Quantities</b><br>Velocity of gases (air)<br>Anemometer | 0.5 m/s to 45 m/s    | VA Kalibrierung von Strömungsmessgeräten im Windkanal:<br>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 m³/h to 4300 m³/h | VA Kalibrierung von Volumenstrommessgeräten am Volumenstromprüfstand:<br>2022-11 | 1.5 %                               | Reference standard: inlet nozzles<br>Differential pressure method |

**Abbreviations used:**

|     |                                                                            |
|-----|----------------------------------------------------------------------------|
| CMC | Calibration and measurement capabilities                                   |
| DIN | Deutsches Institut für Normung e.V. – German institute for standardization |
| EN  | Europäische Norm – European Standard                                       |
| IEC | International Electrotechnical Commission                                  |
| ISO | International Organization for Standardisation                             |
| VA  | internal calibration procedure of Westenberg Engineering                   |