

# Accreditation



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

**Xylem Analytics Germany GmbH**  
**Am Achalaich 11, 82362 Weilheim**

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 confirm generally with 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 18.12.2023 with accreditation number D-K-20615-01.

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-20615-01-00**

*in Vertretung* 

Berlin, 18.12.2023

Dipl.-Wirtsch.-Ing. (BA) Tim Harnisch  
Head of Technical Unit

Translation issued:

18.12.2023

Dipl.-Wirtsch.-Ing. (BA) 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)).*

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

See notes overleaf

# Deutsche Akkreditierungsstelle GmbH

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10117 Berlin

Office Frankfurt am Main  
Europa-Allee 52  
60327 Frankfurt am Main

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Bundesallee 100  
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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-20615-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 18.12.2023

**Date of issue:** 18.12.2023

Holder of accreditation certificate:

**Xylem Analytics Germany GmbH  
Am Achalaich 11, 82362 Weilheim**

with the location

**Xylem Analytics Germany GmbH  
Am Achalaich 11, 82362 Weilheim**

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 general with the principles of DIN EN ISO 9001.

Calibration in the fields:

**Mechanical quantities**

- **Pressure**

**Thermodynamic quantities**

**Humidity quantities**

- **Devices for relative humidity**

**Temperature quantities**

- **Direct reading thermometers**
- **Temperature transmitters, data loggers**
- **Thermocouples**
- **Resistance thermometers**

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Abbreviations used: see last page

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**Annex to the Accreditation Certificate D-K-20615-01-00**

The calibration laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use calibration standards or equivalent calibration procedures listed here with different issue dates.

The calibration laboratory maintains a current list of all calibration standards / equivalent calibration procedures within the flexible scope of accreditation.

**Permanent Laboratory**
**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Temperature</b> Resistance thermometers; direct reading thermometers and data loggers with resistance sensor	0,01 °C	DKD-R 5-1:2018 triple point of water	10 mK	Calibration at fixed point temperatures
	-90 °C to -35 °C	DKD-R 5-1:2018 in stirred liquid bath	50 mK	Comparison with standard resistance thermometer
	> -35 °C to 250 °C		30 mK	
Base metal thermocouples, direct reading thermometers and data loggers with thermocouple sensor	-85 °C to 200 °C	DKD-R 5-3:2018 in stirred liquid bath	0,3 K	Comparison with standard resistance thermometer
	> 200 °C to 250 °C		0,5 K	
<b>Relative humidity</b> Hygrometers and transmitters	10 % to 30 %	DKD-R 5-8:2019 "Two-pressure" humidity generator, temperature range: 5 °C to 70 °C	0,3 %	Comparison with reference dew point mirror and reference thermometer  Measurement uncertainty expressed as absolute value of the relative humidity
	> 30 % to 70 %		0,6 %	
	> 70 % to 95 %		0,9 %	
<b>Pressure</b> Absolute pressure $p_{abs}$	0 bar to 5 bar	DKD-R 6-1:2014	0,62 mbar	Pressure medium: Gas
	> 5 bar to 25 bar		2,0 mbar	

**Abbreviations used:**

CMC	Calibration and measurement capabilities
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
DKD-R	Calibration Guide of Deutscher Kalibrierdienst (DKD), published by the Physikalisch-Technischen Bundesanstalt
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation

Valid from: 18.12.2023

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