DAkkS Accreditation

Calibration laboratory:

DSM Messtechnik GmbH
Dieselstraße 16, 73431 Aalen

Registration number of the certificate: **D-K-15152-01-00**

The accreditation documents consist of:

1.) Accreditation Certificate:
GU_F_K-15152-01-00_2024_W1_E1_01.04.2025_engl..pdf

2.) Annex to the Accreditation Certificate:
GUA_F_K-15152-01-00_2024_W1_E1_01.04.2025_engl._signed.pdf

3.) Partial Accreditation Certificate -01 (electr.):
TU_F_K-15152-01-01_2024_W1_E1_01.04.2025_engl..pdf

4.) Partial Accreditation Certificate -02 (mech.):
TU_F_K-15152-01-02_2024_W1_E1_01.04.2025_engl..pdf

5.) Annex to the Partial Accreditation Certificate -01:
TUA_F_K-15152-01-01_2024_W1_E1_01.04.2025_engl._signed.pdf

6.) Annex to the Partial Accreditation Certificate -02:
TUA_F_K-15152-01-02_2024_W1_E1_01.04.2025_engl._signed.pdf

DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

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

DSM Messtechnik GmbH
Mantelhofstraße 11, 73457 Essingen

meets the requirements of DIN EN ISO/IEC 17025:2018 for the conformity assessment activities specified in the following partial accreditation certificates. This includes additional existing legal and normative requirements for the calibration laboratory, including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes to the partial accreditation certificates listed below.

D-K-15152-01-01
D-K-15152-01-02

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 consists of this cover sheet, the reverse side of the cover sheet and the following annex. It only applies in connection with the partial accreditation certificates listed above and the notices referred to there.

Registration number of the certificate: **D-K-15152-01-00**

Berlin, 17.03.2025
Dr. Florian Witt
Head of Technical Unit

Translation issued:
17.03.2025
Dr. Florian Witt
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).

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

See notes overleaf

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

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

Office Braunschweig
Bundesallee 100
38116 Braunschweig

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
ILAC: www.ilac.org
IAF: www.iaf.nu

This accreditation certificate is the property of the German Accreditation Body.

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-15152-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **17.03.2025**

Date of issue: 17.03.2025

Holder of accreditation certificate:

DSM Messtechnik GmbH
Mantelhofstraße 11, 73457 Essingen

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 in the annexes to the partial accreditation certificates listed below.

D-K-15152-01-01

D-K-15152-01-02

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 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.

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

DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

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

DSM Messtechnik GmbH
Mantelhofstraße 11, 73457 Essingen

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 partial accreditation certificate only applies in connection with the notice of 17.03.2025 with accreditation number D-K-15152-01.
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 partial accreditation certificate: **D-K-15152-01-01**
It is a part of the accreditation certificate: D-K-15152-01-00.

Berlin, 17.03.2025 Dr. Florian Witt
Head of Technical Unit

Translation issued:
17.03.2025 Dr. Florian Witt
Head of Technical Unit

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DSM Messtechnik GmbH
Mantelhofstraße 11, 73457 Essingen

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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 partial accreditation certificate only applies in connection with the notice of 17.03.2025 with accreditation number D-K-15152-01.
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 partial accreditation certificate: **D-K-15152-01-02**
It is a part of the accreditation certificate: D-K-15152-01-00.

Berlin, 17.03.2025
Dipl.-Wirtsch.-Ing. (BA) Tim Harnisch
Head of Technical Unit

Translation issued:
17.03.2025
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).

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Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-K-15152-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **17.03.2025**

Date of issue: 17.03.2025

This annex is a part of the accreditation certificate D-K-15152-01-00.

Holder of partial accreditation certificate:

DSM Messtechnik GmbH
Mantelhofstraße 11, 73457 Essingen

with the location

DSM Messtechnik GmbH
Dieselstraße 16, 73431 Aalen

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.

Calibration in the fields:

Electrical quantities

DC and low frequency quantities

- **DC voltage**
- **DC current**
- **Voltage ratio**

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Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Electrical quantities				
DC voltage	1 mV bis 10 mV		$3{,}6 \cdot 10^{-3}$	
	> 0,01 V bis 250 V		$0{,}40 \cdot 10^{-3}$	
DC current	2 mA bis 20 mA		$1{,}5 \cdot 10^{-3}$	
Voltage ratio	0,1 mV/V bis 2 mV/V	input voltage: 10 V bis 15 V	0,5 µV/V	
	> 2 mV/V bis 10 mV/V		1,4 µV/V	

Abbreviations used:

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

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-K-15152-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **17.03.2025**

Date of issue: 17.03.2025

This annex is a part of the accreditation certificate D-K-15152-01-00.

Holder of partial accreditation certificate:

DSM Messtechnik GmbH
Mantelhofstraße 11, 73457 Essingen

with the location

DSM Messtechnik GmbH
Dieselstraße 16, 73431 Aalen

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.

Calibration in the fields:

Mechanical quantities

- **Torque**
- **Force**

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.

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
Torque Torque measuring systems Torque sensors	0.05 N·m to < 1 N·m	DIN 51309: 2022	$2 \cdot 10^{-3}$	calibration of torque measuring chains of class ≥ 0,5
	1 N·m to 1000 N·m		$1 \cdot 10^{-3}$	
Torque wrench calibration devices	1 N·m to 1200 N·m	DKD-R 10-8:2020	$2 \cdot 10^{-3}$	with torque transfer wrench
Force Force measuring devices and force transducer	0.1 kN to 100 kN	DIN EN ISO 376:2022	$1 \cdot 10^{-3}$	Compressive force

Abbreviations used:

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