

Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that

Erichsen GmbH & Co. KG
Am Iserbach 14, 58675 Hemer

operates a calibration laboratory that fulfills the requirements according to DIN EN ISO/IEC 17025:2018 for those conformity assessment activities specified in detail in the annexes listed below. 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 listed below.

D-K-21247-01-01 **Valid from: 08.05.2026**

D-K-21247-01-02 **Valid from: 08.05.2026**

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 notice of 08.05.2026. It consists of this cover sheet, the reverse side of the cover sheet and the corresponding annex

Registration number of the accreditation certificate: **D-K-21247-01-00**

Berlin, 08.05.2026 Dipl.-Wirtsch.-Ing. (BA) Tim Harnisch | Head of Technical Unit

Translation issued: 08.05.2026

This accreditation certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS). It is digital sealed and valid without signature. It reflects the status as indicated by the date of issue. The current status of any valid and surveyed 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

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

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-21247-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 08.05.2026

Date of issue: 08.05.2026

This annex is part of the Accreditation Certificate D-K-21247-01-00.

Holder of the Accreditation Certificate:

Erichsen GmbH & Co. KG
Am Iserbach 14, 58675 Hemer

with the location

Erichsen GmbH & Co. KG
Am Iserbach 14, 58675 Hemer

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.

*This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS) and is digitally sealed.
This annex to the certificate 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 valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).*

Abbreviations used: see last page

page 1 of 5

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

Annex to the Accreditation Certificate D-K-21247-01-01

Calibration in the fields:

Mechanical quantities

- Mass (mass standards)
- Pressure ^{a)}
- Force

Material testing machines (MTM)

- Extension (MTM) ^{a)}

Thermodynamic quantities

Temperatur quantities

- Climatic chambers (temperature) ^{a)}

^{a)} also on-site calibration

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.

Valid from: 08.05.2026

Date of issue: 08.05.2026

page 2 of 5

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

Annex to the Accreditation Certificate D-K-21247-01-01

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks	
Mass conventional mass	1 g	OIML R 111-1:2004	1,0 mg	for weights according to OIML R 111-1:2004 according to class M ₂	
	2 g		1,2 mg		
	5 g		1,6 mg		
	10 g		2,0 mg		
	20 g		2,5 mg		
	50 g		3,0 mg		
	100 g		5,0 mg		
	200 g		10 mg		
	500 g		25 mg		
	1 kg		50 mg		
	2 kg		100 mg		
	5 kg		800 mg		for weights according to OIML R 111-1: 2004 according to class M ₃
	1 g to 2 g		1,2 mg		for free nominal values
	> 2 g to 5 g		1,6 mg		
	> 5 g to 10 g		2,0 mg		
	> 10 g to 20 g		2,5 mg		
	> 20 g to 50 g		3,0 mg		
	> 50 g to 100 g		1,6 mg		
	> 100 g to 200 g		3,0 mg		
	> 200 g to 420 g		8,0 mg		
	> 420 g to 500 g		25 mg		
	> 500 g to 800 g		50 mg		
	> 800 g to 1 kg		50 mg		
	> 1 kg to 2 kg		100 mg		
	> 2 kg to 2,2 kg		80 mg		
	> 2,2 kg to 5 kg		800 mg		
	> 5 kg to 6 kg		1,6 · 10 ³ mg		

Valid from: 08.05.2026

Date of issue: 08.05.2026

Annex to the Accreditation Certificate D-K-21247-01-01

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Pressure Positive gauge pressure p_e	0 bar to 1 bar	DKD-R 6-1:2014	10 mbar	Overpressure in fluid media p_e in bar
	> 1 bar to 10 bar		$4,0 \cdot 10^{-3} \cdot p_e$; but not smaller than 8 mbar	
	> 10 bar to 100 bar		$2,0 \cdot 10^{-3} \cdot p_e$; but not smaller than 20 mbar	
	> 100 bar to 1 000 bar		$2,0 \cdot 10^{-3} \cdot p_e$; but not smaller than 0,3 bar	
	0 bar to 6 bar		12 mbar	Pressure medium: Gas (air)
Force Calibration of power meters (tensile and compressive force)	1 N to 5 N	DKD-R 3-3:2018	$1,5 \cdot 10^{-3}$	KBNME with immediate mass up to 200 N
	5 N to 200 N	DIN EN ISO 376:2011 VDI/VDE 2624 Blatt 2.1:2008	$7,5 \cdot 10^{-4}$	
	100 N to 25 kN		$1,0 \cdot 10^{-3}$	K-BNME with reference transducers per measuring range
Extension (MTM) Extension measuring devices of materials testing machines	0,5 mm to 150 mm	DIN EN ISO 9513:2013	$1,0 \cdot 10^{-3} \cdot l$; but not less than 15 μm	Calibration of path sensor type E (traverse path sensor)
	1 mm to 300 mm		$1,0 \cdot 10^{-3} \cdot l$; but not less than 40 μm	Measurement principle: dial gauge l = measured length
Temperature Measuring locations in climatic chambers	-15 °C to 50 °C	DKD-R 5-7:2025 method C	1,5 K	Comparison with reference thermometers

Valid from: 08.05.2026

Date of issue: 08.05.2026

page 4 of 5

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

Annex to the Accreditation Certificate D-K-21247-01-01
On-site Calibration
Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Extension (MTM) Extension measuring devices of materials testing machines	0,5 mm to 150 mm	DIN EN ISO 9513:2013	$1,0 \cdot 10^{-3} \cdot l$; but not less than 15 μm	Calibration of path sensor type E (traverse path sensor) Measurement principle: dial gauge l = measured length
	1 mm to 300 mm		$1,0 \cdot 10^{-3} \cdot l$; but not less than 40 μm	
Pressure Positive gauge pressure p_e	0 bar to 6 bar	DKD-R 6-1:2014	12 mbar	Pressure medium: Gas (air) overpressure in fluid medium p_e in bar
	0 bar to 1 000 bar		$2,0 \cdot 10^{-3} \cdot p_e$ but not less than 0,3 bar	
Temperature Measuring locations in climatic chambers	-15 °C to 50 °C	DKD-R 5-7:2025 method C	1,5 K	Comparison with reference thermometers

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
CMC	Calibration and measurement capabilities
DKD-R	Guideline of the Deutscher Kalibrierdienst (DKD), published by the Physikalisch-Technische Bundesanstalt (PTB)
OIML	International Organization of Legal Metrology

Valid from: 08.05.2026

Date of issue: 08.05.2026

page 5 of 5

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

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-21247-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: 08.05.2026

Date of issue: 08.05.2026

This annex is part of the Accreditation Certificate D-K-21247-01-00.

Holder of the Accreditation Certificate:

Erichsen GmbH & Co. KG
Am Iserbach 14, 58675 Hemer

with the location

Erichsen GmbH & Co. KG
Am Iserbach 14, 58675 Hemer

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:

Dimensional quantities

Length

Length measuring instruments

*This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS) and is digitally sealed.
This annex to the certificate 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 valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).*

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.

Annex to the Accreditation Certificate D-K-21247-01-02

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Length	0 mm to 12,5 mm	KA_02d_Länge:2020 height measurement	1,0 µm	b: base length of calibration items 13 mm ≤ b ≤ 240 mm height measurement over reference level surface

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
- CMC Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
- KA Interne Kalibrieranweisung ERICHSEN – internal calibration instruction ERICHSEN

Valid from: 08.05.2026

Date of issue: 08.05.2026