EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. **194/2026**

KZB-Kalibrace s.r.o.
with registered office Mikoláše Alše 2240/14, 434 01 Most
Company Registration No. 03113205

for the Calibration Laboratory No. **2374**
Calibration Laboratory

Scope of accreditation:

Calibration of gauges of length, plane angle, torque, pressure, time, temperature and electrical quantities to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 560/2025 of 04/11/2025, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **04/11/2030**

Prague: 16/04/2026

Signed in the Czech original:
Gor Petrosjan on 16/04/2026

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

The Appendix is an integral part of
Certificate of Accreditation No. 194/2026 of 16/04/2026

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

KZB-Kalibrace s.r.o.
CAB number 2374, Calibration Laboratory
Mikoláše Alše 2240/14, 434 01 Most

CMC for the field of measured quantity: Length

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
1	Parallel gauge blocks	0.5	mm	100	mm		(0.8·L + 0.14)	µm	Comparison with parallel gauge blocks in vertical position on a comparator Comparison with parallel gauge blocks in horizontal position on a length gauge	Kp 01-013	
		100	mm	500	mm		(1·L + 0.16)	µm			
				1,000	mm		1.2	µm			
2*	Slide gauges / slide rules, depth gauges, height gauges, gear tooth calipers	0	mm	1,000	mm		14	µm	Measurement using parallel gauge blocks	Kp 01-001	
		1,000	mm	2,000	mm		17	µm			
3*	Linear height gauges	0	mm	1,000	mm		(1.2·L + 0.5)	µm	Measurement using parallel gauge blocks	Kp 01-001	
4*	Micrometer gauges / micrometers, pasameters, micropasameters, micrometer depth gauges	0	mm	25	mm		0.7	µm	Measurement using parallel gauge blocks	Kp 01-002	
		25	mm	100	mm		1.4	µm			
		100	mm	1,000	mm		2.2	µm			
		1,000	mm	1,500	mm		3.8	µm			
		1,500	mm	2,000	mm		4.4	µm			
	Two-contact and three-contact internal gauges	3	mm	100	mm		1.6	µm	Measurement by setting rings		
		100	mm	250	mm		2.3	µm			

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Mikoláše Alše 2240/14, 434 01 Most

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
	Inside micrometer gauges	10	mm	1,500	mm		3.7 µm	Comparison with parallel gauge blocks		
5	Micrometer gauges / inside micrometer gauges	10	mm	500	mm		1 µm	Direct measurement by a length gauge	Kp 01-002	
		500	mm	2,800	mm		(3.5·L+ 0.6) µm			
	Micrometric heads	0	mm	100	mm		1 µm			
	Setting gauges for micrometer gauges	0	mm	500	mm		1 µm			
		500	mm	2,800	mm		(3.5·L+ 0.6) µm	Direct measurement on a linear height gauge		
6	Indicators / direct, lever indicators and internal gauges with indicator	0	mm	100	mm		0.5 µm	Measurement on a dial indicator calibration instrument	Kp 01-003	
7*	Indicators / direct, lever indicators and internal gauges with indicator	0	mm	50	mm		2.9 µm	Measurement on a dial indicator calibration instrument	Kp 01-003	
8	Linear sensors	0	mm	100	mm		0.5 µm	Measurement on a dial indicator calibration instrument	Kp 01-003	
9	Rules / precise gauges and measuring magnifiers	0	mm	100	mm		0,5 µm	Direct measurement by a length gauge	Kp 01-004	
		0	mm	200	mm		(5·L+ 0.65) µm	Direct measurement by a microscope		
		200	mm	100	mm		(2.7·L+ 1.2) µm			
	Steel rules	0	mm	1,000	mm		39 µm	Comparison with a reference steel ruler		
		1,000	mm	2,000	mm		56 µm			
		2,000	mm	3,000	mm		68 µm			

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Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
	Tape measures	0 m	to	10 m			(0.3·L+ 0.035) mm	Comparison with a reference track		
	Tape measures, wooden rulers and rulers of 2m length	0 m	to	300 m			(0.03·L+ 0.3) mm	Comparison with a reference track		
10*	Rules / steel gauges	0 mm	to	500 mm			0.12 mm	Comparison with parallel gauge blocks	Kp 01-004, Kp 01-015	
	Tape measures	0 m	to	10 m			(0.07·L + 0.19) mm	Comparison with a reference steel ruler	Kp 01-004	
11	Setting rings and snap gauges	0.95 mm 10 mm	to to	10 mm 330 mm			1 µm (4.3·L + 0.7) µm	Direct and comparative measurement on a length gauge	Kp 01-005	
	Cylindrical gauges	0 mm 100 mm	to to	100 mm 500 mm			0.5 µm 1 µm			
	Slot gauges	0 mm 100 mm	to to	100 mm 500 mm			0.5 µm 1 µm			
	Feeler gauges and wedges	0 mm	to	100 mm			0.5 µm			
	Cylindrical gauges and measuring wires	0 mm	to	100 mm			0.5 µm			
	Setting gauges for layer thickness gauges	0 mm	to	100 mm			1 µm			
	Thread gauges – plug gauges	0 mm	to	300 mm			3.1 µm			
	Thread gauges - female	2 mm	to	200 mm			4 µm	Direct measurement by a microscope		
	Thread gauges - conical	0 mm	to	100 mm			5 µm	Direct measurement on a length gauge and linear height gauge		

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Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
	Efflux viscometers - diameter	0 mm	to		10 mm			4 µm	Direct measurement by a microscope		
12*	Cylindrical gauges	0 mm	to		100 mm			2 µm	Measurement using a micrometer	Kp 01-005	
	Slot gauges	0 mm	to		100 mm			2 µm			
	Feeler gauges and wedges	0 mm	to		30 mm			1.5 µm			
	Cylindrical gauges	0 mm	to		30 mm			1.5 µm			
	Thread gauges – plug gauges	0 mm	to		100 mm			5 µm			
13*	Thickness gauges and callipers	0 mm	to		500 mm		external measurement	2.2 µm	Measurement using parallel gauge blocks	Kp 01-010	
		3 mm	to		500 mm		internal measurement	3.7 µm	Measurement using parallel gauge blocks		
14*	Dry layer thickness gauges	0 mm	to		40 mm		dry layers	1.4 µm	Measurement using a thickness reference standard	Kp 01-009	
15	Wet layer thickness gauges	0 mm	to		15 mm		wet layers	1 µm	Measurement on a length gauge	Kp 01-009	
16*	Surface plates / flatness	0 mm	to		5 mm		length up to 500 mm up to 1,000 mm up to 2,000 mm	3.5 µm 6.6 µm 35 µm	Measurement using parallel gauge blocks	Kp 01-008	
	Surface rules / straightness	0 mm	to		5 mm		length up to 1,000 mm up to 2,000 mm	5.1 µm 9.5 µm			
	Blade rules / straightness	0 mm	to		5 mm		length up to 100 mm up to 500 mm	2.4 µm 2.8 µm			

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Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
						up to 1,000 mm	5.1 µm			
17	Roller length gauges	0 m	to	300 m			(0.2·L + 10) mm	Measurement using special measuring equipment	Kp 01-014	
18	Laser distance meters	0.5 m	to	8 m			0.3 mm	Comparison with a reference track	Kp 01-014	
19	Levelling rods	0 m	to	7 m			0.3 mm	Comparison with a reference track	Kp 01-014	
20	Telescopic length gauges	0 m	to	7 m			0.3 mm	Comparison with a reference track	Kp 01-014	
21	Weld gauges / weld parameters	0 mm	to	20 mm			10 µm	Measurement using parallel gauge blocks	Kp 01-015	
22	90°angles / perpendicularity	0 mm	to	5 mm		longer side up to 100 mm up to 1,000 mm	2.8 µm (8·L + 6.5) µm	Measurement using a measuring cylinder of squareness and parallel gauge blocks	Kp 02-001	
	/ straightness	0 mm	to	5 mm		longer side up to 100 mm up to 1,000 mm	2.2 µm 5.1 µm			
	/ parallelity	0 mm	to	5 mm			2.9 µm			
23	Measuring jigs and profile gauges	0 mm	to	100 mm			0.5 µm	Measurement on a length gauge	Kp 01-017	
		100 mm	to	500 mm			1 µm	Measurement on a length gauge		
		500 mm	to	950 mm			2 µm	Measurement on a linear height gauge		
		950 mm	to	2,800 mm			(3.5·L+ 0.6) µm	Measurement on a length gauge		
24*	Measuring jigs and profile gauges	0 mm	to	100 mm			2 µm	Measurement using a micrometer	Kp 01-017	
		100 mm	to	300 mm			12 µm	Measurement with a slide gauge		

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Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
		300	mm	to 2,000	mm		15 µm	Comparison with parallel gauge blocks		
		2	m	to 10	m		0.5 mm	Measurement by a reference tape measure		
25*	Length gauges	0	mm	to 1,000	mm		(1·L+ 0.14) µm	Comparison with parallel gauge blocks	Kp 01-011	
		1,000	mm	to 2,800	mm		(2·L+ 0.17) µm			
26*	Measuring microscopes, profile projectors and coordinate measuring machines	0	mm	to 500	mm		(1·L+ 0.14) µm	Comparison with parallel gauge blocks	Kp 01-019	
		500	mm	to 2,800	mm		(2.2·L+ 0.17) µm	Comparison with parallel gauge blocks		

[1] Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

[2] The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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CMC for the field of measured quantity: Plane angle

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
1*	Angle gauges	0 °	to	360 °			1.2´	Measurement using angle gauges	Kp 02-002, Kp 01-015	
2*	Measuring jigs and profile gauges	0 °	to	360 °			0.5´	Measurement by a microscope	Kp 01-017, Kp 01-015	
3*	Measuring microscopes, profile projectors and coordinate measuring machines	0 °	to	360 °			0.3´	Comparison with angle gauges	Kp 01-019	

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CMC for the field of measured quantity: Force, mechanical tests

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		Nominal range max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty [2]	Calibration principle	Calibration procedure identification [3]	Location
1*	Torque / Torque measuring devices, torque wrenches and screwdrivers, pneumatic and electric nutrunners	0.15	Nm	to	2	Nm		0.97 %	Comparison with a reference torque sensor	Kp 03-001	
		2	Nm	to	10	Nm		0.56 %			
		10	Nm	to	100	Nm		0.63 %			
		100	Nm	to	1,000	Nm		0.78 %			
		1,000	Nm	to	2,000	Nm		0.65 %			
2	Force / Force meters and force measuring devices	0.5	N	to	500	N	Tension and pressure	0.24 %	Comparison with reference loading weights	Kp 03-002	

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[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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CMC for the field of measured quantity: Pressure

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the measurand		Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
1*	Deformation and digital pressure gauges, pressure transducers, pressure measuring chains	-90 kPa	to		100 kPa		positive gauge pressure	gas	0.12 kPa	Comparison with a reference pressure gauge	Kp 05-001	
		0.1 MPa	to		2 MPa				1.2 kPa			
		0 MPa	to		2 MPa		positive gauge pressure	liquid	1.2 kPa			
		2 MPa	to		10 MPa				6.0 kPa			
		10 MPa	to		100 MPa				59 kPa			
		30 kPa	to		170 kPa		Absolute pressure[4]	gas	0.29 kPa			
		0.17 MPa	to		2.1 MPa				1.3 kPa			
		0.1 MPa	to		2.1 MPa		Absolute pressure[4]	liquid	1.3 kPa			
		2.1 MPa	to		10 MPa				6.1 kPa			
		10 MPa	to		100 MPa				59 kPa			
		70 kPa	to		110 kPa		Barometric pressure		0.26 kPa			

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[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

[4] The resulting pressure is the sum of relative and barometric pressure. The resulting uncertainty is the combination of relative and barometric pressure uncertainty

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CMC for the field of measured quantity: Temperature

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		Nominal range max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty [2]	Calibration principle	Calibration procedure identification [3]	Loca-tion
1*	Indicating thermometers and temperature measuring chains	-20 °C	to	-5 °C				0.34 °C	Comparison with a reference thermometer in a dry block	Kp 07-001	
		-5 °C	to	50 °C				0.27 °C			
		50 °C	to	100 °C				0.48 °C			
		100 °C	to	650 °C				0.64 °C			
		-5 °C	to	40 °C				0.90 °C	Comparison with a reference thermometer in a climatic chamber		
2	Non-contact thermometers	30 °C	to	100 °C				1.7 °C	Comparison with a reference target black body	Kp 07-002	
		100 °C	to	200 °C				2.6 °C			
		200 °C	to	300 °C				2.7 °C			
		300 °C	to	400 °C				3.0 °C			
		400 °C	to	500 °C				3.3 °C			
3*	Simulation of temperature sensor signals / temperature sensor processing units	-210 °C	to	-100 °C			J	0.57 °C	Reference voltage calibrator simulation including cold junction compensation	Kp 04-001	
		-100 °C	to	150 °C				0.33 °C			
		150 °C	to	760 °C				0.38 °C			
		760 °C	to	1,200 °C				0.48 °C			
		-200 °C	to	-100 °C			K	0.66 °C			
		-100 °C	to	120 °C				0.40 °C			
		120 °C	to	1,370 °C				0.63 °C			
		-250 °C	to	-150 °C			T	1.5 °C			
		-150 °C	to	400 °C				0.37 °C			
		0 °C	to	250 °C			R	1.9 °C			

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Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		Nominal range max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty [2]	Calibration principle	Calibration procedure identification [3]	Loca-tion
		250 °C	to		1,760 °C			1.2 °C			
		0 °C	to		250 °C		S	1.9 °C			
		250 °C	to		1,760 °C			1.2 °C			
		600 °C	to		1,820 °C		B	1.8 °C			
		-200 °C	to		-100 °C		N	1.0 °C			
		-100 °C	to		410 °C			0.51 °C			
		410 °C	to		1,300 °C			0.59 °C			
		-250 °C	to		-100 °C		E	1.3 °C			
		-100 °C	to		650 °C			0.47 °C			
		650 °C	to		1,000 °C			0.51 °C			
		-200 °C	to		900 °C		L	0.81 °C			
		-200 °C	to		600 °C		U	0.95 °C			
		0 °C	to		1,000 °C		C	0.72 °C			
		1,000 °C	to		2,310 °C			1.7 °C			
		-200 °C	to		0 °C		RTD	0.35 °C	Reference resistance calibrator simulation		
		0 °C	to		800 °C			0.58 °C			

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[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

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CMC for the field of measured quantity: Electrical quantities

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
1*	Direct-current voltage / DC voltage sources	0	mV	to	100	mV		0.0037 % + 13 µV	Direct measurement by a reference multimeter	Kp 04-001, Kp 04-003	
		0.1	V	to	1	V		0.0025 % + 37 µV			
		1	V	to	10	V		0.0024 % + 0.36 mV			
		10	V	to	100	V		0.0038 % + 3.6 mV			
		100	V	to	1,000	V		0.0041 % + 36 mV			
		1	kV	to	3	kV		0.5 % + 0.037 kV	Indirect measurement with a reference calibrator with a Hipot adapter		
		3	kV	to	10	kV		0.5 % + 0.049 kV			
	Direct-current voltage / DC voltage meters	0	mV	to	100	mV		0.008 % + 12 µV	Direct generation with a reference calibrator		
		0.1	V	to	1	V		0.008 % + 35 µV			
		1	V	to	10	V		0.008 % + 0.35 mV			
		10	V	to	100	V		0.008 % + 3.5 mV			
		100	V	to	1,000	V		0.008 % + 35 mV			
2*	Direct current / Direct current sources	0	µA	to	100	µA		0.05 % + 37 nA	Direct measurement by a reference multimeter	Kp 04-001, Kp 04-003	
		0.1	mA	to	1	mA		0.05 % + 0.12 µA			
		1	mA	to	10	mA		0.05 % + 2.5 µA			
		10	mA	to	100	mA		0.05 % + 14 µA			
		100	mA	to	400	mA		0.05 % + 73 µA			
		0.4	A	to	1	A		0.05 % + 0.3 mA			
		1	A	to	3	A		0.10 % + 0.8 mA			
		3	A	to	10	A		0.15 % + 1.6 mA			
		0	A	to	40	A		2.8 % + 0.52 A	Direct measurement by a reference clamp multimeter		

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
	Direct current / Direct current meters	40 A	to	400 A			2.8 % + 2.8 A			
		10 A	to	100 A			0.2 % + 0.013 A	Indirect measurement using a reference shunt and multimeter		
		100 A	to	200 A			0.2 % + 0.035 A			
		0 µA	to	100 µA			0.03 % + 35 nA	Direct generation with a reference calibrator		
		0.1 mA	to	1 mA			0.03 % + 0.12 µA			
		1 mA	to	10 mA			0.03 % + 1.2 µA			
		10 mA	to	100 mA			0.03 % + 12 µA			
		0.1 A	to	1 A			0.03 % + 0.18 mA			
		1 A	to	10 A			0.05 % + 2.4 mA			
		10 A	to	50 A			0.2 %+ 0.013 A	Indirect comparison with a reference shunt and multimeter		
		0 A	to	20 A			0.56 % + 0.13 A	Reference current simulation with a calibrator and current coil		
		20 A	to	100 A			0.65 % + 0.17 A			
		100 A	to	500 A			0.53 % + 0.52 A			
3*	Alternating-current voltage / AC voltage sources	0.1 mV	to	100 mV		10 Hz to 20 kHz	0.06 % + 51 µV	Direct measurement by a reference multimeter	Kp 04-001, Kp 04-003	
		0.1 V	to	1 V		10 Hz to 20 kHz	0.06 % + 0.36 mV			
		1 V	to	10 V		10 Hz to 20 kHz	0.06 % + 3.6 mV			
		10 V	to	100 V		10 Hz to 20 kHz	0.06 % + 37 mV			
		100 V	to	1,000 V		10 Hz to 20 kHz	0.06 % + 0.29 V			
		1 kV	to	3 kV		50 Hz to 60 Hz	0.5 % + 0.039 kV	Indirect measurement with a reference calibrator with a Hipot adapter		
		3 kV	to	10 kV		50 Hz to 60 Hz	0.5 % + 0.11 kV			

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
	Alternating-current voltage / AC voltage meters	0.1 mV	to	100 mV		10 Hz to 2 kHz	0.08 % + 43 µV	Direct generation with a reference calibrator		
		0.1 V	to	1 V		10 Hz to 2 kHz	0.08 % + 0.39 mV			
		1 V	to	10 V		10 Hz to 2 kHz	0.08 % + 4.0 mV			
		10 V	to	100 V		40 Hz to 1 kHz	0.08 % + 43 mV			
		100 V	to	1,000 V		40 Hz to 1 kHz	0.08 % + 0.60 mV			
4*	Alternating current / Alternating current sources	0.1 µA	to	100 µA		10 Hz to 2 kHz	0.15 % + 80 nA	Direct measurement by a reference multimeter		
		0.1 mA	to	1 mA		10 Hz to 2 kHz	0.10 % + 0.54 µA			
		1 mA	to	10 mA		10 Hz to 2 kHz	0.15 % + 7.5 µA			
		10 mA	to	100 mA		10 Hz to 2 kHz	0.10 % + 56 µA			
		100 mA	to	400 mA		10 Hz to 1 kHz	0.10 % + 0.51 mA			
		0.4 A	to	1 A		10 Hz to 2 kHz	0.10 % + 0.8 mA			
		1 A	to	3 A		10 Hz to 2 kHz	0.15 % + 2.4 mA			
		3 A	to	10 A		10 Hz to 2 kHz	0.15 % + 16 mA			
		0 A	to	40 A		30 Hz to 60 Hz	2.0 % + 0.46 A	Direct measurement by a reference clamp multimeter		
		40 A	to	400 A		30 Hz to 60 Hz	2.8 % + 2.9 A			
	Alternating current / Alternating current meters	0.1 µA	to	100 µA		10 Hz to 2 kHz	0.1 % + 0.47 µA	Direct generation with a reference calibrator		
		0.1 mA	to	1 mA		10 Hz to 2 kHz	0.1 % + 0.96 µA			
		1 mA	to	10 mA		10 Hz to 2 kHz	0.1 % + 9.5 µA			
		10 mA	to	100 mA		10 Hz to 2 kHz	0.1 % + 96 µA			
		0.1 A	to	1 A		10 Hz to 2 kHz	0.1 % + 0.95 mA			
		1 A	to	10 A		10 Hz to 2 kHz	0.1 % + 20 mA			

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
		0 A	to	20 A		30 Hz to 60 Hz	0.56 % + 0.12 A	Reference current simulation with a calibrator and current coil		
		20 A	to	100 A		30 Hz to 60 Hz	0.65 % + 0.17 A			
		100 A	to	500 A		30 Hz to 60 Hz	0.53 % + 0.53 A			
5*	DC resistance / resistors and resistance boxes	0 Ω	to	10 Ω			0.01 % + 12 mΩ	Direct measurement by a reference multimeter	Kp 04-001, Kp 04-002	
		10 Ω	to	100 Ω			0.01 % + 58 mΩ			
		100 Ω	to	1,000 Ω			0.01 % + 59 mΩ			
		1 kΩ	to	10 kΩ			0,01 % + 0.17 Ω			
		10 kΩ	to	100 kΩ			0.01 % + 2.1 Ω			
		100 kΩ	to	1,000 kΩ			0.01 % + 32 Ω			
		1 MΩ	to	10 MΩ			0.04 % + 1.3 kΩ			
		10 MΩ	to	100 MΩ			0.8 % + 35 kΩ			
		100 MΩ	to	1,000 MΩ			2.0 % + 0.21 MΩ			
		0.01 Ω	to	0.1 Ω			65µΩ	Indirect measurement – volt – ampere method	Kp 04-002	
		0.1 Ω	to	1 Ω			0.052 %			
		1 Ω	to	10 Ω			0.14 %			
	DC resistance meters			1 mΩ			2.4 µΩ	Direct measurement of a reference resistance box or resistance standards	Kp 04-001, Kp 04-003	
				10 mΩ			24 µΩ			
		0.01 Ω	to	0.1 Ω			2 % + 0.10 mΩ			
		0.1 Ω	to	1 Ω			0.2 % + 0.54 mΩ			
		1 Ω	to	10 Ω			20 mΩ	Direct generation with a reference calibrator		
		10 Ω	to	100 Ω			40 mΩ			
		100 Ω	to	1 kΩ			0.27 Ω			

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
		1 kΩ	to	10 kΩ			2.4 Ω			
		10 kΩ	to	100 kΩ			24 Ω			
		0.1 MΩ	to	1 MΩ			0.24 kΩ			
		1 MΩ	to	10 MΩ			5.8 kΩ			
		0.1 MΩ	to	0.5 MΩ			0.05 % + 10 Ω	Direct generation using a reference resistance box		
		0.6 MΩ	to	0.9 MΩ			0.05 % + 15 Ω			
		1 MΩ	to	5 MΩ			0.05 % + 0.25 kΩ			
		6 MΩ	to	9 MΩ			0.05 % + 0.35 kΩ			
		10 MΩ	to	50 MΩ			0.1 % + 2.5 kΩ			
		50 MΩ	to	100 MΩ			0.1 % + 9 kΩ			
		100 MΩ	to	2,000 MΩ			1.3 % + 5.8 kΩ	Direct generation with a reference calibrator		
6	Transition resistance/ Inspection instruments			1 mΩ			2.4 µΩ	Direct generation by a reference resistance box or resistance standards	Kp 04-003	
				10 mΩ			24 µΩ			
		0,01 Ω	to	0,09 Ω			2 % + 0.10 mΩ			
		0,1 Ω	to	1 Ω			0.2 % + 0.54 mΩ			
		1 Ω	to	10 Ω			0.1 % + 14 mΩ			
		10 Ω	to	100 Ω			0.05 % + 70 mΩ			
		100 Ω	to	1000 Ω			0.05 % + 180 mΩ			
		1 kΩ	to	10 kΩ			0.05 % + 1.4 Ω			
7	Insulation resistance / Inspection instruments	10 kΩ	to	100 kΩ		Measuring voltage up to 100 V	0.05 % + 14 Ω	Direct measurement of a reference resistance box	Kp 04-003	
		0.1 MΩ	to	0.5 MΩ			0.05 % + 10 Ω			
		0.6 MΩ	to	0.9 MΩ			0.05 % + 15 Ω			

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
		1 MΩ	to	5 MΩ		Measuring voltage up to 500 V	0.05 % + 0.25 kΩ			
		6 MΩ	to	9 MΩ			0.05 % + 0.35 kΩ			
		10 MΩ	to	50 MΩ		Measuring voltage up to 1,000 V	0.1 % + 2.5 kΩ			
		50 MΩ	to	100 MΩ			0.1 % + 9.0 kΩ			
		100 MΩ	to	1,000 MΩ		Measuring voltage up to 5,000 V	1.2 %			
		1 GΩ	to	10 GΩ			1.2 %			
8	Leakage current / Inspection instruments							Direct measurement by a reference ammeter	Kp 04-003	
		0.1 mA	to	1 mA		50 Hz to 60 Hz	0,10 % + 0,54 µA			
		1 mA	to	10 mA		50 Hz to 60 Hz	0,15 % + 7,5 µA			
		10 mA	to	100 mA		50 Hz to 60 Hz	0,10 % + 56 µA			
9	Impedance of a protective loop, mains impedance / Inspection instruments					Z_0 parameter value		Direct generation of impedance with a reference calibrator	Kp 04-003	
		0.4 Ω	to	2 Ω			32 mΩ			
		0.05 Ω	to	+ Z_0			5.1 mΩ			
		0.10 Ω	to	+ Z_0			5.5 mΩ			
		0.22 Ω	to	+ Z_0			6.1 mΩ			
		0.33 Ω	to	+ Z_0			6.8 mΩ			
		0.50 Ω	to	+ Z_0			7.6 mΩ			
		1.0 Ω	to	+ Z_0			11 mΩ			
		5.0 Ω	to	+ Z_0			34 mΩ			
		10 Ω	to	+ Z_0			57 mΩ			

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Location
		min.	unit	max.	unit					
		100 Ω	to	+ Z_0			0.53 Ω			
		1000 Ω	to	+ Z_0			5,2 Ω			
10	Tripping current of residual current circuit breakers / Inspection instruments	2 mA	to	10 mA			1.2 % + 72 µA	Comparison with a reference calibrator	Kp 04-003	
		10 mA	to	30 mA			1.2 % + 0.11 mA			
		30 mA	to	100 mA			1.2 % + 0.17 mA			
		100 mA	to	300 mA			1.2 % + 0.84 mA			
		300 mA	to	1,000 mA			1.2 % + 1.7 mA			
		1,000 mA	to	3,000 mA			1.2 % + 3.0 mA			
11	Tripping time of residual current circuit breakers/ Inspection instruments	20 ms	to	900 ms			1 ms	Comparison with a reference calibrator	Kp 04-003	

[1] Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

[2] The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

The Appendix is an integral part of
Certificate of Accreditation No. 194/2026 of 16/04/2026

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CMC for the field of measured quantity: Time and frequency quantities

Ord. number [1]	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Loca-tion
		min.	unit	max.	unit					
1*	Time interval / mechanical and digital stopwatch, timers and other time meters	5 s	to	3,600 s			11 ms	Comparison with a reference counter	Kp 06-001	

[1] Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

[2] The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

[3] If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).