



EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Olšanská 54/3, 130 00 Praha 3

issues

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

# CERTIFICATE OF ACCREDITATION

No. 598/2022

SEC electronic s.r.o.  
with registered office Dražkovice 155, 533 33 Pardubice, Company Registration No. 28774213

to the Calibration Laboratory No. 2356  
Calibration Laboratory

Scope of accreditation:

Calibration in the fields of temperature, electrical quantities, time and frequency 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 Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the 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.: 467/2020 of 23. 7. 2020, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **7. 12. 2027**

Prague: 7. 12. 2022



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

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

**SEC electronic s.r.o.**  
Facility No. 2356, Calibration Laboratory  
Arnošta z Pardubic 2762, 530 02 Pardubice

**CMC for the field of measured quantity: Temperature**

Ord. number i	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	unit	max. unit					
1	Resistance thermometers without RTD	Pt 100-385	-200 °C	to	-130 °C	Direct generation with a standard resistor	0.050 °C	SEC-KM-°C	
			-130 °C	to	-100 °C		0.065 °C		
			-100 °C	to	0 °C		0.075 °C		
			0 °C	to	100 °C		0.090 °C		
			100 °C	to	300 °C		0.13 °C		
			300 °C	to	400 °C		0.14 °C		
			400 °C	to	500 °C		0.17 °C		
			500 °C	to	700 °C		0.21 °C		
			700 °C	to	850 °C		0.24 °C		
		Pt 100-3916	-100 °C	to	0 °C		0.070 °C		
			0 °C	to	100 °C		0.090 °C		
			100 °C	to	200 °C		0.11 °C		
		Pt 100-3920	200 °C	to	450 °C		0.16 °C		
			-200 °C	to	-80 °C		0.050 °C		
			-80 °C	to	0 °C		0.070 °C		
	0 °C	to	100 °C	0.085 °C					
	100 °C	to	200 °C	0.11 °C					
	200 °C	to	400 °C	0.14 °C					
	400 °C	to	600 °C	0.19 °C					
	Pt 500	-200 °C	to	-130 °C	0.040 °C				
		-130 °C	to	-100 °C	0.045 °C				
-100 °C		to	0 °C	0.060 °C					
0 °C		to	100 °C	0.080 °C					

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Ord. number i	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	max.	unit				
		100 °C	to 300 °C		0.10 °C			
		300 °C	to 400 °C		0.12 °C			
		400 °C	to 500 °C		0.14 °C			
		500 °C	to 700 °C		0.18 °C			
		700 °C	to 850 °C		0.22 °C			
		-200 °C	to -150 °C		0.040 °C			
		-150 °C	to -100 °C		0.050 °C			
		-100 °C	to 0 °C		0.055 °C			
		0 °C	to 100 °C		0.070 °C			
		100 °C	to 300 °C		0.10 °C			
		300 °C	to 400 °C		0.12 °C			
		400 °C	to 500 °C		0.14 °C			
		500 °C	to 700 °C		0.18 °C			
		700 °C	to 850 °C		0.21 °C			
		-200 °C	to -30 °C		0.40 °C			
		-30 °C	to 100 °C		0.45 °C			
		100 °C	to 260 °C		0.47 °C			
		-80 °C	to 10 °C		0.055 °C			
		10 °C	to 260 °C		0.060 °C			
		-50 °C	to 70 °C		0.050 °C			
		70 °C	to 200 °C		0.055 °C			
		-200 °C	to -80 °C		0.032 °C	Direct measurement by a standard multimeter	SEC-KM-°C	
		-80 °C	to 100 °C		0.075 °C			
		100 °C	to 400 °C		0.080 °C			





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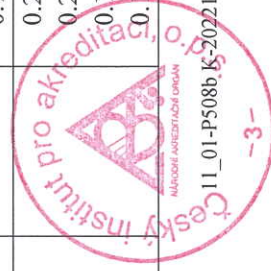
Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	max.	unit				
	Pt 100-3916	400 °C	to 700 °C		0.090 °C			
		700 °C	to 850 °C		0.10 °C			
		-100 °C	to -70 °C		0.032 °C			
		-70 °C	to 10 °C		0.070 °C			
	Pt 100-3920	10 °C	to 200 °C		0.075 °C			
		200 °C	to 450 °C		0.082 °C			
		-200 °C	to -70 °C		0.030 °C			
		-70 °C	to 100 °C		0.072 °C			
	Pt 500	100 °C	to 400 °C		0.080 °C			
		400 °C	to 600 °C		0.090 °C			
		-200 °C	to 100 °C		0.038 °C			
		100 °C	to 400 °C		0.12 °C			
	Pt 1000	400 °C	to 850 °C		0.15 °C			
		-200 °C	to -50 °C		0.035 °C			
		-50 °C	to 500 °C		0.070 °C			
		500 °C	to 850 °C		0.080 °C			
	Cu 10, Ni 120	-200 °C	to 260 °C		0.32 °C			
		-80 °C	to -30 °C		0.040 °C			
		-30 °C	to 10 °C		0.055 °C			
		10 °C	to 260 °C		0.050 °C			
	Ni 1000	-50 °C	to -20 °C		0.035 °C			
		-20 °C	to 70 °C		0.050 °C			
		70 °C	to 200 °C		0.045 °C			



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		min.	unit max.					
3	Thermocouple temperature sensors type "R"	-40 °C	to -30 °C		1.8 °C	Direct generation and measurement with a standard calibrator and multimeter – without cold junction <sup>4</sup> compensation	SEC-KM-°C	
		-30 °C	to 20 °C		1.5 °C			
		20 °C	to 90 °C		1.1 °C			
		90 °C	to 300 °C		0.90 °C			
		300 °C	to 500 °C		0.72 °C			
	type "S"	500 °C	to 600 °C		0.65 °C			
		600 °C	to 1,700 °C		0.60 °C			
		-40 °C	to 0 °C		1.5 °C			
		0 °C	to 100 °C		1.1 °C			
		100 °C	to 500 °C		0.80 °C			
	type "D"	500 °C	to 1,700 °C		0.65 °C			
		0 °C	to 50 °C		0.72 °C			
		50 °C	to 100 °C		0.56 °C			
		100 °C	to 1,000 °C		0.40 °C			
		1,000 °C	to 2,400 °C		0.90 °C			
	type "U"	-190 °C	to -90 °C		0.37 °C			
		-90 °C	to -20 °C		0.26 °C			
		-20 °C	to 0 °C		0.21 °C			
	type "L"	0 °C	to 600 °C		0.17 °C			
		-190 °C	to -110 °C		0.26 °C			
		-100 °C	to -20 °C		0.21 °C			
		-20 °C	to 600 °C		0.17 °C			
		600 °C	to 900 °C		0.14 °C			



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Ord. number I	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	max.	unit				
	type "N"	-250 °C	to	-200 °C	2.4 °C			
		-200 °C	to	-130 °C	0.72 °C			
		-130 °C	to	-100 °C	0.35 °C			
		-100 °C	to	50 °C	0.30 °C			
		50 °C	to	200 °C	0.26 °C			
		200 °C	to	1,300 °C	0.22 °C			
	type "C"	0 °C	to	50 °C	0.56 °C			
		50 °C	to	100 °C	0.49 °C			
		100 °C	to	200 °C	0.43 °C			
		200 °C	to	1,200 °C	0.41 °C			
		1,200 °C	to	1,400 °C	0.46 °C			
		1,400 °C	to	1,600 °C	0.52 °C			
		1,600 °C	to	1,800 °C	0.56 °C			
		1,800 °C	to	2,000 °C	0.60 °C			
	type "B"	2,000 °C	to	2,300 °C	0.80 °C			
		100 °C	to	150 °C	7.1 °C			
		150 °C	to	200 °C	3.6 °C			
		200 °C	to	300 °C	2.4 °C			
		300 °C	to	500 °C	1.5 °C			
		500 °C	to	800 °C	0.90 °C			
		800 °C	to	1,000 °C	0.80 °C			
		1,000 °C	to	1,400 °C	0.65 °C			
		1,400 °C	to	1,800 °C	0.60 °C			
		-250 °C	to	-220 °C	0.72 °C			
	type "E"	-220 °C	to	-205 °C	0.39 °C			
		-205 °C	to	-200 °C	0.29 °C			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	unit max.					
	type "T"	-200 °C	to	-100 °C	0.19 °C			
		-100 °C	to	50 °C	0.17 °C			
		50 °C	to	1,000 °C	0.14 °C			
		-250 °C	to	-220 °C	1.1 °C			
		-220 °C	to	-205 °C	0.56 °C			
		-205 °C	to	-200 °C	0.46 °C			
	type "K"	-200 °C	to	-100 °C	0.27 °C			
		-100 °C	to	0 °C	0.23 °C			
		0 °C	to	200 °C	0.19 °C			
		200 °C	to	400 °C	0.16 °C			
		-260 °C	to	-245 °C	2.4 °C			
		-245 °C	to	-205 °C	1.1 °C			
	type "J"	-205 °C	to	-150 °C	0.46 °C			
		-150 °C	to	-10 °C	0.26 °C			
		-10 °C	to	1,350 °C	0.23 °C			
		-200 °C	to	-155 °C	0.34 °C			
		-155 °C	to	-110 °C	0.24 °C			
		-110 °C	to	-5 °C	0.20 °C			
		-5 °C	to	1,150 °C	0.17 °C			

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M 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 value measured. 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.

<sup>3</sup> 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).

<sup>4</sup> When calibrating cold-point compensated thermocouples, the effect of the compensation line and the cold-point uncertainty must be taken into account.





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**CMC for the field of measured quantity: Electrical quantities**

Ord. number I	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	unit	max. unit					
I *	DC voltage / Power supplies, high voltage test sources (up to 50 kV), calibrators, instruments for certified electricians			1 mV		2.7 $\mu$ V	Direct measurement by a standard multimeter	SEC-KM-UDC	
				10 mV		2.7 $\mu$ V			
				100 mV		3 $\mu$ V			
				1 V		0.0016 %			
				10 V		0.0015 %			
				100 V		0.0017 %			
				1,000 V		0.0020 %			
		0 mV	to	200 mV		6 $\mu$ V			
		200 mV	to	2 V		0.0032 %			
		2 V	to	20 V		0.0030 %			
	DC voltage / Analogue and digital voltmeters, multimeters, tong-test meters, oscilloscopes	20 V	to	200 V		0.0034 %	Measurement by a standard multimeter with a resistance divider		
		200 V	to	1,100 V		0.0040 %			
		1,100 V	to	50 kV		1.5 %			
				100 $\mu$ V		2.7 $\mu$ V			
				1 mV		2.7 $\mu$ V			
				10 mV		3 $\mu$ V			
				100 mV		0.0030 %			
				1 V		0.0020 %			
				10 V		0.0020 %			
				100 V		0.0020 %			





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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workp lace
		min.	unit	max. unit					
2*	Direct-current / Power-supplies, calibrators, instruments for certified electricians	0 mV	to	1,000 V		0.0025 %			
		200 mV	to	200 mV		6 μV			
		2 V	to	2 V		0.0040 %			
		20 V	to	20 V		0.0040 %			
		200 V	to	200 V		0.0040 %			
		200 V	to	1,100 V		0.0050 %			
		1100 V	to	6000 V		1.5 %	Comparison with a standard multimeter with a resistance divider	SEC-KM-IDC	
		10 μA				0.042 %	Direct measurement by a standard multimeter		
		100 μA				0.0075 %			
		1 mA				0.0075 %			
		10 mA				0.0075 %			
		100 mA				0.013 %			
		1 A				0.022 %			
		1 A				0.0090 %			
		10 A				0.010 %			
		20 A				0.030 %			
		100 A				0.050 %			
		0 μA	to	10 μA		0.050 % + 3.4 nA			
		10 μA	to	200 μA		0.015 %			
		200 μA	to	2 mA		0.015 %			
		2 mA	to	20 mA		0.015 %			
		20 mA	to	200 mA		0.026 %			
		200 mA	to	2 A		0.044 %			
		2 A	to	10 A		0.020 %			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min.	max.	unit				
	Direct-current / Analogue and digital ammeters, multimeters, tong-test meters	10 A	to 20 A		0.040 %	Comparison with a standard multimeter		
		20 A	to 100 A		0.10 %			
				10 µA	0.042 %			
				100 µA	0.014 %			
				1 mA	0.014 %			
				10 mA	0.014 %			
				100 mA	0.014 %			
				1 A	0.028 %			
				10 A	0.042 %			
				20 A	0.042 %			
				30 A	0.10 %	Comparison with a standard multimeter with a shunt		
				90 A	0.20 %			
		0 µA	to 10 µA		0.050 % + 3.4 nA			
		10 µA	to 200 µA		0.028 %			
		200 µA	to 2 mA		0.028 %			
		2 mA	to 20 mA		0.028 %			
		20 mA	to 200 mA		0.028 %			
		200 mA	to 2 A		0.056 %			
		2 A	to 20 A		0.084 %			
		20 A	to 90 A		0.20 %			
		90 A	to 1.0 kA		0.50 %	Comparison with a standard clamp multimeter		



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		min.	unit	max.					
3*	AC voltage / Power supplies, high voltage test sources (up to 50 kV), calibrators, instruments for certified electricians	1	mV		10 Hz to 40 Hz	25 $\mu$ V	Direct measurement by a standard multimeter	SEC-KM-UAC	
					40 Hz to 10 kHz	11 $\mu$ V			
					10 kHz to 30 kHz	35 $\mu$ V			
					30 kHz to 100 kHz	93 $\mu$ V			
		10	mV		10 Hz to 40 Hz	25 $\mu$ V			
					40 Hz to 10 kHz	11 $\mu$ V			
					10 kHz to 30 kHz	35 $\mu$ V			
					30 kHz to 100 kHz	95 $\mu$ V			
		100	mV		10 Hz to 40 Hz	0.031 %			
					40 Hz to 10 kHz	0.020 %			
					10 kHz to 30 kHz	0.058 %			
					30 kHz to 100 kHz	0.14 %			
		1	V		10 Hz to 40 Hz	0.018 %			
					40 Hz to 10 kHz	0.015 %			
					10 kHz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.085 %			
		10	V		100 kHz to 300 kHz	0.58 %			
					300 kHz to 1 MHz	3.5 %			
					10 Hz to 40 Hz	0.018 %			
					40 Hz to 10 kHz	0.015 %			
					10 kHz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.085 %			
					100 kHz to 300 kHz	0.58 %			
					300 kHz to 1 MHz	3.5 %			



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		min.	unit	max.					
		100 V			10 Hz to 40 Hz	0.018 %			
					40 Hz to 10 kHz	0.015 %			
					10 kHz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.085 %			
					100 kHz to 300 kHz	0.60 %			
		1,000 V			10 Hz to 40 Hz	0.034 %			
					40 Hz to 10 kHz	0.030 %			
					10 kHz to 30 kHz	0.045 %			
					30 kHz to 100 kHz	0.095 %			
					10 Hz to 40 Hz	35 µV			
		1 mV to 10 mV			40 Hz to 10 kHz	22 µV			
					10 kHz to 30 kHz	60 µV			
					30 kHz to 100 kHz	95 µV			
					10 Hz to 40 Hz	0.062 %			
					40 Hz to 10 kHz	0.040 %			
		10 mV to 100 mV			10 kHz to 30 kHz	0.11 %			
					30 kHz to 100 kHz	0.28 %			
					10 Hz to 40 Hz	0.062 %			
					40 Hz to 10 kHz	0.040 %			
					10 kHz to 30 kHz	0.11 %			
		100 mV to 200 mV			30 kHz to 100 kHz	0.28 %			
					10 Hz to 40 Hz	0.062 %			
					40 Hz to 10 kHz	0.040 %			
					10 kHz to 30 kHz	0.11 %			
					30 kHz to 100 kHz	0.28 %			
		200 mV to 20 V			100 kHz to 300 kHz	1.2 %			
					300 kHz to 1 MHz	7.0 %			
					10 Hz to 40 Hz	0.036 %			
					40 Hz to 10 kHz	0.030 %			
					10 kHz to 30 kHz	0.060 %			
					30 kHz to 100 kHz	0.17 %			



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		min.	unit	max. unit						
	AC voltage / Analogue and digital voltmeters, multimeters, tong-test meters, oscilloscopes	20 V		to 200 V	100 kHz to 300 kHz	1.2 %	Measurement with a standard multimeter with a HV divider			
					300 kHz to 1 MHz	7.0 %				
					10 Hz to 40 Hz	0.036 %				
					40 Hz to 10 kHz	0.030 %				
		200 V		to 1,100 V	10 kHz to 30 kHz	0.060 %				Comparison with a standard multimeter
					30 kHz to 100 kHz	0.17 %				
					100 kHz to 300 kHz	1.2 %				
					10 Hz to 40 Hz	0.068 %				
		1 kV		to 50 kV	40 Hz to 10 kHz	0.060 %				
					10 kHz to 30 kHz	0.090 %				
					30 kHz to 100 kHz	0.19 %				
					50 Hz	1.5 %				
					10 Hz to 30 Hz	13 µV				
					30 Hz to 30 kHz	13 µV				
					30 kHz to 100 kHz	13 µV				
					100 kHz to 300 kHz	2.7 %				
					300 kHz to 1 MHz	4.7 %				
					10 Hz to 30 Hz	18 µV				
					30 Hz to 30 kHz	17 µV				
					30 kHz to 100 kHz	22 µV				
10 mV					100 kHz to 300 kHz	0.53 %				
					300 kHz to 1 MHz	1.6 %				
					10 Hz to 30 Hz	0.070 %				
					30 Hz to 30 kHz	0.060 %				

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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min.	unit	max.					
	1 V				30 kHz to 100 kHz	0.12 %			
					100 kHz to 300 kHz	0.32 %			
					300 kHz to 1 MHz	1.2 %			
					10 Hz to 30 Hz	0.047 %			
					30 Hz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.045 %			
	10 V				100 kHz to 300 kHz	0.17 %			
					300 kHz to 1 MHz	0.93 %			
					10 Hz to 30 Hz	0.047 %			
					30 Hz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.045 %			
					100 kHz to 300 kHz	0.17 %			
	100 V				300 kHz to 1 MHz	0.93 %			
					10 Hz to 30 Hz	0.047 %			
					30 Hz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.045 %			
					100 kHz to 300 kHz	0.17 %			
					300 kHz to 1 MHz	0.93 %			
	1,000 V 1 mV to 10 mV	1 mV	to	10 mV	10 Hz to 30 Hz	0.047 %			
					30 Hz to 30 kHz	0.030 %			
					30 kHz to 100 kHz	0.047 %			
					45 Hz to 33 Hz	0.059 %			
					10 Hz to 30 Hz	36 µV			
					30 Hz to 30 kHz	34 µV			
	10 mV to 200 mV	10 mV	to	200 mV	30 kHz to 100 kHz	44 µV			
					100 kHz to 300 kHz	5.0 %			
					300 kHz to 1 MHz	8.0 %			
					10 Hz to 30 Hz	0.14 %			
					30 Hz to 30 kHz	0.12 %			
					30 kHz to 100 kHz	0.24 %			
					100 kHz to 300 kHz	1.0 %			
					300 kHz to 1 MHz	3.2 %			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min. unit	max. unit					
4*	Alternating-current / Power- supplies, calibrators, instruments for certified electricians	200 mV	to 20 V	10 Hz to 30 Hz	0.090 %	Direct measurement by a standard multimeter	SEC-KM-IAC	
				30 Hz to 30 kHz	0.060 %			
				30 kHz to 100 kHz	0.090 %			
				100 kHz to 300 kHz	0.70 %			
				300 kHz to 1 MHz	2.0 %			
		20 V	to 200 V	10 Hz to 30 Hz	0.090 %			
				30 Hz to 30 kHz	0.060 %			
				30 kHz to 100 kHz	0.090 %			
		200 V	to 1,000 V	45 Hz to 30 kHz	0.11 %			
		1,000 V	to 5,000 V	50 Hz to 60 kHz	1.5 %			
4*	Alternating-current / Power- supplies, calibrators, instruments for certified electricians			10 Hz to 1 kHz	0.26 %	Direct measurement with a standard multimeter with a shunt	SEC-KM-IAC	
					0.060 %			
					0.050 %			
					0.050 %			
					0.050 %			
					0.10 %			
				10 Hz to 1 kHz	0.070 %			
					0.070 %			
					0.075 %			
		10 µA	to 200 µA	10 Hz to 1 kHz	0.26 %			
4*		200 µA	to 200 mA		0.10 %			
		200 mA	to 2 A		0.20 %			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place	
		min.	unit	max.						
	Alternating-current / Analogue and digital ammeters, multimeters, tong- test meters, instruments for certified electricians	2 A		50 A	10 Hz to 1 kHz	0.20 %	Direct measurement with a standard multimeter with a shunt	SEC-KM-IAC		
					10 Hz to 1 kHz	0.35 %	Comparison with a standard multimeter			
						0.083 %				
						0.066 %				
						0.065 %				
						0.065 %				
						0.085 %				
					10 A	10 Hz to 1 kHz	0.20 %			Comparison with a standard multimeter with a shunt
					20 A		0.20 %			
					30 A	15 Hz to 1 kHz	0.20 %			
					10 µA to 200 µA	10 Hz to 1 kHz	0.17 %			Comparison with a standard multimeter
					200 µA to 200 mA		0.13 %			
					200 mA to 2 A		0.17 %			
					2 A to 20 A	15 Hz to 1 kHz	0.40 %			Comparison with a standard multimeter with a shunt
					20 A to 30 A		0.40 %			
					30 A to 90 A		0.50 %			
					90 A to 1.0 kA	50 Hz to 100 Hz	0.70 %			Comparison with a standard clamp multimeter



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min.	unit	max.					
5*	DC resistance / Resistance boxes, DC resistance dividers, reference DC resistors, instruments for certified electricians						Comparison with a resistance standard	SEC-KM-R	
				100 $\mu\Omega$		0.058 %			
				1 m $\Omega$		0.0060 %			
				10 m $\Omega$		0.0060 %			
				100 m $\Omega$		0.0060 %			
				1 $\Omega$		0.0025 %			
				10 $\Omega$		0.0025 %			
				100 $\Omega$		0.0025 %			
				1 k $\Omega$		0.0025 %			
				10 k $\Omega$		0.0025 %			
				100 k $\Omega$		0.0025 %			
				1 M $\Omega$		0.0030 %			
				10 M $\Omega$		0.0080 %			
				100 M $\Omega$		0.012 %			
				1 G $\Omega$		0.040 %			
		0 m $\Omega$	to	1 m $\Omega$		2.0 % +2 $\mu\Omega$	Direct measurement with a microohmmeter		
		1 m $\Omega$	to	100 m $\Omega$		0.50 %			
		100 m $\Omega$	to	1 $\Omega$		0.10 %			
		1 $\Omega$	to	10 $\Omega$		0.010 %	Direct measurement with a standard multimeter		
		10 $\Omega$	to	100 $\Omega$		0.0070 %			
		100 $\Omega$	to	1 k $\Omega$		0.0050 %			
		1 k $\Omega$	to	10 k $\Omega$		0.0040 %			
		10 k $\Omega$	to	100 k $\Omega$		0.0050 %			
		100 k $\Omega$	to	1 M $\Omega$		0.0090 %			





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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workp lace
		min.	unit	max.					
	DC resistance / Ohmmeters, resistance bridges	1 MΩ	to	10 MΩ		0.018 %	Direct measurement of reference resistors	SEC-KM-R	
		10 MΩ	to	100 MΩ		0.090 %			
		100 MΩ	to	1 GΩ		0.50 %			
						0.0040 %			
						0.0020 %			
						0.0010 %			
						0.0010 %			
						0.0010 %			
						0.0010 %			
						0.0020 %			
						0.0020 %			
						0.0015 %			
						0.0020 %			
						0.0020 %			
						0.0080 %			
						0.011 %			
						0.040 %			
		0 mΩ	to	1 Ω		0.2 % + 0.4 mΩ			
		1 Ω	to	10 Ω		0.020 %			
		10 Ω	to	100 Ω		0.020 %			
		100 Ω	to	1 kΩ		0.015 %			
		1 kΩ	to	10 kΩ		0.015 %			
		10 kΩ	to	100 kΩ		0.015 %			
		100 kΩ	to	1 MΩ		0.020 %			
		1 MΩ	to	10 MΩ		0.040 %			
		10 MΩ	to	100 MΩ		0.10 %			
		100 MΩ	to	1 GΩ					



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min.	unit	max.	unit				
		100 MΩ 1 GΩ 10 GΩ	to to to	1 GΩ 10 GΩ 50 GΩ		0.50 % 1.0 % 2.5 %			
6	AC resistance / RLC bridges, multimeters			0.1 Ω	100 Hz 1 kHz 10 kHz	0.20 % 0.20 % 1.0 %	Direct generation using a standard RLC calibrator	SEC-KM-RLC	
				1 Ω	100 Hz 1 kHz 10 Hz	0.14 % 0.10 % 0.10 %			
				10 Ω	100 Hz 1 kHz 10 kHz	0.050 % 0.050 % 0.050 %			
				100 Ω	100 Hz 1 kHz 10 kHz	0.020 % 0.020 % 0.020 %			
				1 kΩ	100 Hz 1 kHz 10 kHz	0.020 % 0.020 % 0.020 %			
				10 kΩ	100 Hz 1 kHz 10 kHz	0.020 % 0.020 % 0.020 %			
				100 kΩ	100 Hz 1 kHz 10 kHz	0.020 % 0.020 % 0.020 %			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min.	unit	max.					
7	Capacity / RLC bridges, multimeters	1	MΩ		100 Hz	0.030 %	Direct generation using a standard RLC calibrator	SEC-KM-RLC	
					1 kHz	0.030 %			
					10 kHz	0.060 %			
		10	MΩ		100 Hz	0.050 %			
					1 kHz	0.050 %			
					10 kHz	0.47 %			
		10	pF		100 Hz	0.86 %			
					1 kHz	0.50 %			
					10 kHz	0.50 %			
		1	nF		100 Hz	0.30 %			
					1 kHz	0.10 %			
					10 kHz	0.050 %			
		10	nF		100 Hz	0.050 %			
					1 kHz	0.050 %			
					10 kHz	0.050 %			
		100	nF		100 Hz	0.050 %			
					1 kHz	0.050 %			
					10 kHz	0.050 %			
		1	μF		100 Hz	0.10 %			
					1 kHz	0.050 %			
					10 kHz	0.050 %			
		10	μF		100 Hz	0.050 %			
					1 kHz	0.050 %			
					10 kHz	0.050 %			





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Ord. number <sub>i</sub>	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workplace
		min.	unit	max. unit					
				100 µF	10 kHz 100 Hz 1 kHz 10 kHz	0.20 % 0.10 % 0.13 % 0.51 %			
8	Inductance / RLC bridges, multimeters			10 µH  100 µH  1 mH  10 mH  100 mH  1 H  10 H	1 kHz 10 kHz 100 Hz 1 kHz 10 kHz 100 Hz 1 kHz 10 kHz 100 Hz 1 kHz 10 kHz 100 Hz 1 kHz 10 kHz 100 Hz 1 kHz 100 Hz 1 kHz	0.58 % 0.32 % 0.53 % 0.22 % 0.21 % 0.22 % 0.11 % 0.11 % 0.11 % 0.10 % 0.10 % 0.10 % 0.10 % 0.10 % 0.10 % 0.10 % 0.10 %	Direct generation using a standard RLC calibrator	SEC-KM-RLC	
				10 µH 100 µH 1,000 µH	100 kHz 100 kHz 100 kHz	0.30 % 0.30 % 0.30 %	Direct measurement of an inductance standard		

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Ord. number	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workplace
		min. unit	max. unit					
9	DC power / Analogue and digital wattmeters, tong-test meters, instruments for certified electricians (1 V to 1,000 V; 1 mA to 20 A)	1 mVA	to 20 kVA		0.050 %	Direct generation with a standard power calibrator	SEC-KM-P	
	DC power / Calibrators	1 mVA	to 20 kVA		0.10 %	Comparison with a standard power calibrator		
10*	AC power / Analogue and digital wattmeters, varimeters, tong-test meters (40 Hz to 70 Hz, 1 V to 600 V)	0.01 W	to 54 kW	cos φ		Direct generation with a standard power calibrator	SEC-KM-P	
				1				
				current				
				10 mA to 10 A	0.070 %			
				10 A to 90 A	0.10 %			
				10 mA to 10 A	0.081 %			
				10 A to 90 A	0.1 %			
				10 mA to 10 A	0.075 %			
				10 A to 90 A	0.13 %			
				10 mA to 10 A	0.070 %			
				10 A to 90 A	0.15 %			
				10 mA to 10 A	0.090 %			
				10 A to 90 A	0.17 %			
				10 mA to 10 A	0.090 %			
				10 A to 90 A	0.19 %			
				10 mA to 10 A	0.10 %			
				10 A to 90 A	0.22 %			
				10 mA to 10 A	0.15 %			
				10 A to 90 A	0.35 %			
				10 mA to 10 A	0.19 %			
				10 A to 90 A	0.39 %			



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Ord. number	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>		Calibration principle	Calibration procedure identification <sup>3</sup>	Workp lace
		min.	max.	unit					
	AC power / Calibrators, transducers, 45 Hz to 65 Hz, 6 V to 720 V, 0.15 A to 21 A	0.9 W	to	15 kW	0.1 to 0.2	10 mA to 10 A	Direct measurement with a standard wattmeter	SEC-KM-P	
					0.05 to 0.1	10 A to 90 A			
11	Power level / HF voltage meters, oscilloscopes and instruments for the measurement of frequency	-90 dBm	to	-80 dBm	cos φ	10 kHz to 1 GHz	Direct generation with a standard generator – 50 Ω load	SEC-KM-Uvf	
					1	1 GHz to 2.5 GHz			
		-80 dBm	to	-60 dBm	0.9 to 1	5 GHz			
					0.8 to 0.9	10 GHz			
					0.7 to 0.8	10 kHz to 1 GHz			
					0.6 to 0.7	1 GHz to 2.5 GHz			
					0.5 to 0.6	5 GHz			
					0.4 to 0.5	10 GHz			
					0.3 to 0.4	10 kHz to 1 GHz			
					0.2 to 0.3	1 GHz to 2.5 GHz			
					0.1 to 0.2	5 GHz			
					0.05 to 0.1	10 GHz			
					0.046 %	10 kHz to 1 GHz			
					0.060 %	1 GHz to 2.5 GHz			
					0.065 %	5 GHz			
					0.070 %	10 GHz			
					0.080 %	10 kHz to 1 GHz			
					0.090 %	1 GHz to 2.5 GHz			
					0.11 %	5 GHz			
					0.14 %	10 GHz			
					0.20 %	10 kHz to 1 GHz			
					0.39 %	1 GHz to 2.5 GHz			
					0.80 %	5 GHz			
						10 GHz			
					0.35 dB	10 kHz to 1 GHz			
					0.60 dB	1 GHz to 2.5 GHz			
					1.2 dB	5 GHz			
					1.2 dB	10 GHz			
					0.35 dB	10 kHz to 1 GHz			
					0.51 dB	1 GHz to 2.5 GHz			
					1.2 dB	5 GHz			
					1.2 dB	10 GHz			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	max.	unit				
					10 GHz			
					15 GHz			
					20 GHz			
		-60 dBm to	0 dBm		10 kHz to 1 GHz			
					1 GHz to 2.5 GHz			
					5 GHz			
					10 GHz			
					15 GHz			
					20 GHz			
		0 dBm to	10 dBm		10 kHz to 1 GHz			
					1 GHz to 2.5 GHz			
					5 GHz			
	Power level / Generators and instruments for the generation of frequency	-90 dBm to	-80 dBm		10 GHz			
					15 GHz			
					20 GHz			
					25 GHz			
					100 kHz to 2.5 GHz			
		-80 dBm to	-60 dBm		5 GHz			
					10 GHz			
					15 GHz			
					20 GHz			
					25 GHz			
					0.35 dB	Direct measurement with a standard analyzer – 50 Ω load	SEC-KM-Uvf	
					0.51 dB			
					0.71 dB			
					1.7 dB			
					0.35 dB			
					0.51 dB			
					0.71 dB			
					1.7 dB			





**The Appendix is an integral part of  
Certificate of Accreditation No. 598/2022 of 07/12/2022**

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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work- place
		min.	max.	unit				
					20 GHz 25 GHz	1.7 dB 1.7 dB	Direct measurement with a standard power sensor - 50 Ω  Direct measurement with a standard analyzer - 50 Ω load  Direct measurement with a standard power sensor - 50 Ω load  Direct measurement with a standard analyzer - 50 Ω load	
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 10 GHz to 15 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.86 dB 0.92 dB		
		-60 dBm to 0 dBm	to		20 GHz 25 GHz	1.7 dB 1.7 dB		
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
					100 kHz to 200 MHz 200 MHz to 1 GHz 1 GHz to 2.5 GHz	0.75 dB 0.55 dB 0.63 dB		
		0 dBm to 13 dBm	to		100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
		13 dBm to 20 dBm	to		100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		
					100 kHz to 2.5 GHz 2.5 GHz to 5 GHz 5 GHz to 10 GHz 15 GHz to 18 GHz	0.30 dB 0.35 dB 0.68 dB 0.92 dB		

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M 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 value measured. 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.

<sup>3</sup> 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: Time and frequency quantities**

Ord. number	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workplace
		min.	max.					
1	Frequency / Oscilloscopes and instruments for the measurement of frequency	0.01 Hz	to 0.1 Hz	U <sub>inp</sub> 100 mV to 10 V rectangle	1.2 · 10 <sup>-7</sup> Hz	Direct measurement of a signal synchronized by a GPS standard	SEC-KM-f	
		0.1 Hz	to 1 Hz		1.2 · 10 <sup>-7</sup> Hz			
		1 Hz	to 10 Hz		1.2 · 10 <sup>-7</sup> Hz			
		10 Hz	to 100 Hz		1.2 · 10 <sup>-6</sup> Hz			
		10 Hz	to 100 Hz	30 mV to 5 V sine	1.0 · 10 <sup>-3</sup> Hz			
		100 Hz	to 1 kHz		1.0 · 10 <sup>-4</sup> Hz			
		1 kHz	to 10 kHz		1.5 · 10 <sup>-5</sup> Hz			
		10 kHz	to 100 kHz		1.2 · 10 <sup>-4</sup> Hz			
		100 kHz	to 1 MHz		1.2 · 10 <sup>-3</sup> Hz			
		1 MHz	to 10 MHz		1.2 · 10 <sup>-2</sup> Hz			
		10 MHz	to 100 MHz		1.2 · 10 <sup>-1</sup> Hz			
		100 MHz	to 1 GHz		1.2 · 10 <sup>0</sup> Hz			
		1 GHz	to 2 GHz		3.2 · 10 <sup>0</sup> Hz			
		2 GHz	to 2.5 GHz		4.0 · 10 <sup>0</sup> Hz			
		2.5 GHz	to 5 GHz		8.0 · 10 <sup>0</sup> Hz			
		5 GHz	to 10 GHz		1.6 · 10 <sup>1</sup> Hz			
		10 GHz	to 15 GHz		2.4 · 10 <sup>1</sup> Hz			
		15 GHz	to 20 GHz		3.2 · 10 <sup>1</sup> Hz			
		20 GHz	to 25 GHz		4.2 · 10 <sup>1</sup> Hz			



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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work place
		min.	unit	max.					
	Frequency / Instruments for the generation of frequency	10 kHz	to	100 kHz	U <sub>out</sub> 30 mV to 1 V sine	1.2 · 10 <sup>-4</sup> Hz	Direct measurement by a counter synchronized by a GPS standard		
		100 kHz	to	1 MHz		1.2 · 10 <sup>-3</sup> Hz			
		1 MHz	to	10 MHz		1.2 · 10 <sup>-2</sup> Hz			
		10 MHz	to	100 MHz		1.2 · 10 <sup>-1</sup> Hz			
		100 MHz	to	1 GHz		1.2 · 10 <sup>0</sup> Hz			
		1 GHz	to	2 GHz		3.2 · 10 <sup>0</sup> Hz			
		2 GHz	to	2.5 GHz		4.0 · 10 <sup>0</sup> Hz			
		2.5 GHz	to	5 GHz		8.0 · 10 <sup>0</sup> Hz			
		5 GHz	to	10 GHz		1.6 · 10 <sup>1</sup> Hz			
		10 GHz	to	15 GHz		2.4 · 10 <sup>1</sup> Hz			
2	Bandwidth / Oscilloscopes and instruments for the measurement of frequency	15 GHz	to	20 GHz	1 V rectangle (pp)	3.2 · 10 <sup>1</sup> Hz	Direct generation with a standard generator	SEC-KM-OSC	
		0.1 Hz				2.2 · 10 <sup>-4</sup> Hz			
		1 Hz				2.2 · 10 <sup>-4</sup> Hz			
		10 Hz				2.2 · 10 <sup>-4</sup> Hz			
		100 Hz				2.2 · 10 <sup>-4</sup> Hz			
		1 kHz				2.2 · 10 <sup>-4</sup> Hz			
		10 kHz				2.2 · 10 <sup>-4</sup> Hz			
		100 kHz				2.2 · 10 <sup>-4</sup> Hz			
		0 MHz	to	250 MHz		12 %			
		250 MHz	to	500 MHz		13 %			



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Ord. number I	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workp lace
		min.	max.	unit				
3	Time stamps / Oscilloscopes	5 s 2 s 1 s 0.5 s 0.2 s 0.1 s 50 ms 20 ms 10 ms 5 ms 2 ms 1 ms 500 μs 200 μs 100 μs 50 μs 20 μs 10 μs 5 μs 2 μs 1 μs 500 ns 200 ns 100 ns 50 ns			5.0 · 10 <sup>-3</sup> s 1.0 · 10 <sup>-3</sup> s 0.1 · 10 <sup>-3</sup> s 0.5 · 10 <sup>-4</sup> s 0.2 · 10 <sup>-4</sup> s 0.1 · 10 <sup>-4</sup> s 0.5 · 10 <sup>-5</sup> s 0.8 · 10 <sup>-6</sup> s 0.2 · 10 <sup>-6</sup> s 0.3 · 10 <sup>-7</sup> s 0.3 · 10 <sup>-7</sup> s 0.3 · 10 <sup>-7</sup> s 0.1 · 10 <sup>-8</sup> s 0.1 · 10 <sup>-8</sup> s 0.1 · 10 <sup>-8</sup> s 0.1 · 10 <sup>-9</sup> s 0.1 · 10 <sup>-9</sup> s 0.1 · 10 <sup>-9</sup> s 0.1 · 10 <sup>-10</sup> s 0.1 · 10 <sup>-10</sup> s 0.1 · 10 <sup>-10</sup> s 0.1 · 10 <sup>-11</sup> s 0.1 · 10 <sup>-11</sup> s 0.1 · 10 <sup>-11</sup> s 0.1 · 10 <sup>-12</sup> s	Direct generation with a standard generator	SEC-KM-OSC	





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Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workp lace
		min.	max. unit					
		20 ns			$0.1 \cdot 10^{-12}$ s			
		10 ns			$0.1 \cdot 10^{-12}$ s			
		5 ns			$0.1 \cdot 10^{-13}$ s			
		2 ns			$0.1 \cdot 10^{-13}$ s			
		1 ns			$0.1 \cdot 10^{-13}$ s			

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M 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 value measured. 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.

<sup>3</sup> 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).

