

**The Appendix is an integral part of  
Certificate of Accreditation No. 459/2023 of 28/08/2023**

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

**MSP - GLOBAL, s.r.o.,**  
CAB number 2286, Czech Calibration Service  
Dobrá 240, 739 51 Dobrá

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

Ordinal number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work-place
		min.	unit	max.	unit					
1	Slide gauges: Division 0.01 mm and 0.02 mm, division 0.05 and 0.1 mm	0 mm	up to	250 mm		30 μm	Comparison with reference parallel gauge blocks and rings	KBP 7.2, KBP 7.1		
2	Micrometer calliper gauges division 1 μm and 10 μm	0 mm	up to	300 mm		3 μm	Comparison with reference parallel gauge blocks	KBP 8		

<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 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.

<sup>3</sup> If the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test 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: Mass

Ordinal number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work-place
		min.	unit	max.	unit					
1*	Electronic and mechanical scales with non-automatic function	0 kg	up to	0.22 kg	class F1	weight	1.4 mg	Direct loading with a reference weight	KBP 14.1, KBP 14.2	
		0.22 kg	up to	1.6 kg	class F1	weight	5.8 mg			
		1.6 kg	up to	5 kg	class F1	weight	42 mg			
		0.5 kg	up to	10 kg	class F1	weight	81 mg			
		10 kg	up to	16 kg	class F2	weight	0.13 g			
		16 kg	up to	20 kg	class F2	weight	1.2 g			
		20 kg	up to	50 kg	class M1	weight	3.2 g			
		50 kg	up to	100 kg	class M1	weight	6.3 g			

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

Ordinal number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work-place
		min.	unit	max.	unit					
1	Torque / torque wrenches and screwdrivers	2 Nm		up to	1,100 Nm		1.4 %	Comparison with a reference torque sensor	KBP 25	

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**CMC for the field of measured quantity: Pressure, mechanical stress**

Ordinal number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Work-place
		min.	unit	max.	unit					
1*	Deformation and digital manometers, pressure transducers	0 kPa	up to	35 kPa	gas	22 Pa 61 Pa 0.6 kPa	Comparison with a reference digital pressure gauge	KBP 9, KBP 9.1, KBP 10		
		35 kPa	up to	200 kPa						
		200 kPa	up to	2,000 kPa						
		1.2 MPa	up to	12 MPa	oil	0.03 %	Comparison with a reference piston pressure gauge			
		0 MPa	up to	60 MPa	water	0.07 MPa	Comparison with a reference digital pressure gauge			

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

Ordinal number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Workplace
		min.	unit	max	unit					
1*	Resistance thermometers Pt100	0 °C	up to	200 °C		0.32 °C	Comparison with a reference thermometer in a dry block	KBP 5		
		200 °C	up to	400 °C		0.54 °C				
2*	Indicating thermometers and temperature measuring chains	0 °C	up to	200 °C		0.32 °C	Comparison with a reference thermometer in a dry block and in a horizontal furnace	KBP 15		
		200 °C	up to	400 °C		0.54 °C				
		400 °C	up to	650 °C		2.1 °C				
		650 °C	up to	1,100 °C		2.8 °C				
3*	Measuring chains – Simulation of electrical output signal: – Type “K” thermocouples	-200 °C	up to	1,000 °C		0.6 °C	Comparison with a reference simulator of el. quantities	KBP 4.1		
		1,000 °C	up to	1,100 °C		0.7 °C				
	– Resistance sensors	-200 °C	up to	200 °C		0.20 °C				
		200 °C	up to	600 °C		0.34 °C				
		600 °C	up to	850 °C		0.50 °C				
	– current loops	0 mA	up to	4 mA		3 µA				
4 mA		up to	12 mA		6 µA					
12 mA		up to	25 mA		8 µA					

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