#### Certificate of Accreditation No. 405/2022 of 16/08/2022 The Appendix is an integral part of

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

č.p. 100, 763 41 Ludkovice Calibration Laboratory MeTeKa-CZ s.r.o.

#### CMC for the field of measured quantity: Pressure

	Calibrated quantity /	Non	Nominal range	ange	Davamatar(s) of the more questi		Lowest expanded		Calibration	Work-
ber <sup>1</sup>	calibration	min unit		max unit	Tatameter(5) of the meas, quantity	1.5	specified <sup>2</sup>	Canni auon principie	identification <sup>3</sup>	place
*	Deformation							Comparison with a standard KP 1/P	KP 1/P	
	pressure gauges	5 kPa	to	300 kPa	Absolute pressure	gas	0.025% + 0.2  kPa	digital manometer		
		-95 kPa	to	200 kPa	Gauge pressure		0.025% + 0.05  kPa			
		200 kPa	to	2,000 kPa	Gauge pressure, absolute pressure		0.025% + 0.2  kPa			
		2 MPa	to	14 MPa			0.025% + 15  kPa			
		0 MPa	to	100 MPa	Gauge pressure, absolute pressure	oil	0.025% + 15  kPa			
2*	Pressure converters							Comparison with a standard	KP 2/P	
		5 kPa	to	300 kPa	Absolute pressure	gas	0.027% + 0.08  kPa	digital manometer		
		-95 kPa	to	200 kPa	Gauge pressure		0.027% + 0.05  kPa			
		200 kPa	to	2,000 kPa	Gauge pressure, absolute pressure		0.027% + 0.25  kPa			
		2 MPa	to	14 MPa			0.027% + 16  kPa			
		0 MPa	to	100 MPa	Gauge pressure, absolute pressure	oil	0.027 % + 16 kPa			
		70 kPa	to	120 kPa	Barometric pressure	gas	50 Pa			
رى *	Digital manometers							Comparison with a standard	KP 3/P	
		5 kPa	to	300 kPa	Absolute pressure	gas	0.025 % + 0.08 kPa	digital manometer		
		-95 kPa	to	200 kPa	Gauge pressure		0.025% + 0.05  kPa			
		200 kPa	to	2,000 kPa	Gauge pressure, absolute pressure		0.025% + 0.2  kPa			
		2 MPa	to	14 MPa			0.025% + 15  kPa			
		0 MPa	to	100 MPa	Gauge pressure, absolute pressure	oil	0.025 % + 15 kPa			
		70 kPa	to	120 kPa	Barometric pressure	gas	50 Pa			
1	Actorist at the ordinal number identifies the collibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises		٠							

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



<sup>95%.</sup> If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected. The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approximately

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MeTeKa-CZ s.r.o. Calibration Laboratory č.p. 100, 763 41 Ludkovice

## CMC for the field of measured quantity: Temperature

Calibrated quantity   Subject of min unit max unit quantity   Parameter(s) of lawest expanded to granting work-earling with a standard in a fixturace of ice and water work-earling thermometers   0 °C   0 0 °C   0.07 °C   0.00 °C   0.00 °C   0.07 °C   0.00 °C
Nominal range from    Nominal range   Parameter(s) of min   min   max   unit   max   unit   max   unit   measurement   Calibration   Calibration   principle   measurement   measurement   Calibration   principle   measurement
Nominal range    Lowest expanded   Image:   Imag
the meas. unit the meas. unertainty  0 °C
the meas. quantity  Parameter(s) of Imeasurement unertainty quantity  0.4 °C  0.4 °C  0.4 °C  0.4 °C  0.8 °C  0.8 °C  0.9 °C  1.7 °C  0.00parison with a standard in a liquid bath furnace  1.7 °C  0.07 °C  0.07 °C  0.07 °C  0.09 °C  0.00parison with a standard in a furnace in a furnace  0.07 °C  0.00parison with a standard in a furnace  0.00parison with a standard
anded rent ment at the comparison with a standard in a furnace comparison with a standard in a furnace comparison with a standard in a liquid bath comparison with a standard in a liquid bath comparison with a standard in a furnace comparison with
Calibration principle  Calibration  procedure identification³  on with a standard in a furnace on with a standard in a liquid bath on with a standard in a horizontal  on with a standard in a furnace on with a standard in a liquid bath on with a standard in a liquid bath on with a standard in a furnace
ration edure cation <sup>3</sup>
Work- place

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Ord.	0-111-11-1	Nomi	Nominal range	Parameter(s) of	Lowest expanded		Calibration	11
number 1	calibration	min unit	max unit	the meas. quantity	uncertainty specified <sup>2</sup>	Calibration principle	procedure identification <sup>3</sup>	place
						Comparison with a standard in a horizontal		
		600 °C	to 900 °C		1.4 °C	furnace		
		900 °C	to 1,100 °C		1.7 °C			
5* (	Controllers and indicators					Simulation of thermoelectric temperature	KP 5/T	
		-50 °C	to 1,300 °C	Type K	0.3 °C	sensors using voltage		
		300 °C	to 1,700 °C	Type S	0.6 °C			
		300 °C	to 1,800 °C	Type B	0.6 °C			
		300 °C	to 1,700 °C	Type R	0.6 °C			
		-100 °C	to 1,000 °C	Type J	0.2 °C			
						Simulation of resistance temperature sensors		
		-100 °C	to 1,300 °C	Type N	0.2 °C	using electrical resistor		
		-100 °C	to 1,000 °C	Type E	0.2 °C			
			to					
		-200 °C	to 850 °C	Pt, Ni, Cu	0.06 °C			
6* I	Direct-indicating thermometers					Comparison with a reference thermometer	KP 6/T	
	integrated in conditioning and							
1	thermal chambers	-45 °C	to 0°C		1.0 °C			
		0 °C	to 650 °C		1.1 °C			
		650 °C	to 900 °C		1.6 °C			
		900 °C	to 1,000 °C		1.7 °C			
-		000						

oratory premiaes.

used (including any changes). 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



<sup>95 %.</sup> If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected. The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx.

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#### MeTeKa-CZ s.r.o.

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# CMC for the field of measured quantity: Time and Frequency

	Calibrated quantity / Subject of		Nomin	Nominal range		) of	Lowest expanded	Collination principle	_	Work-
1	calibration	min unit	unit	max	unit	quantity	uncertainty specified <sup>2</sup>	Cantri attori principie	identification <sup>3</sup>	place
*	Electronic and manual							Electronically triggered comparison with a KP 1/F	KP 1/F	
	stopwatch	10 s		to 100,000 s	) s		0.25 s	standard		
								Manually triggered comparison with a		
		10 s	10 s to	28	28 h		0.35 s	standard		
1)	)) A social soci	1:1		1 1 1						

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

If the document identifying the calibration procedure is dated, only these specific procedures are dised of the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes). The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, 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. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.