



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. **693/2025**

Daniel Zindler
with registered office **K Dálnici 593, 760 01 Zlín - Kudlov**
Company Registration No. 70271372

for the Calibration Laboratory No. **2401**
Zindler Calibration Laboratory

Scope of accreditation:

Calibration in the field of length and temperature 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.: 8/2021 of 04/01/2021, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **22/12/2030**

Prague: 22/12/2025



Signed in the Czech original:
Jan Velíšek on 22/12/2025

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

This translation of the Czech original has been issued by: Andrea Muzikářová

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

Daniel Zindler
CAB number 2401, Zindler Calibration Laboratory
Voženilkova 5561, 760 05 Zlín

CMC for the field of measured quantity: Length

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min.	unit					
1	Slide gauges, slide depth gauges, slide height gauges, sliding gear tooth calipers, gauges for checking welds	0 mm	to	2,000 mm	$(10 \cdot L + 10) \mu\text{m}$	Direct measurement with reference parallel gauge blocks, gauges and rings	KP 10	
	Linear height gauges	0 mm	to	1,000 mm	$(2 \cdot L + 0.5) \mu\text{m}$			
2	Micrometer calliper gauges	0 mm	to	25 mm	0.5 μm	Direct measurement with reference parallel gauge blocks, gauges and rings	KP 11	
		25 mm	to	1,000 mm	$(7 \cdot L + 1.3) \mu\text{m}$			
	Micrometer depth gauges	0 mm	to	300 mm	$(15 \cdot L + 1.5) \mu\text{m}$			
	Micrometers with prismatic anvils	1 mm	to	150 mm	$(10 \cdot L + 1.5) \mu\text{m}$	Direct measurement with reference rings		
	Pasameters	0 mm	to	200 mm	$(4 \cdot L + 0.5) \mu\text{m}$			
	Micropasameters	0 mm	to	200 mm	$(7 \cdot L + 1.3) \mu\text{m}$	Direct measurement on a length gauge		
	Two-contact and three-contact inside micrometers	2 mm	to	250 mm	$(5 \cdot L + 1.6) \mu\text{m}$			
Inside micrometer gauges, extension rods	0 mm	to	1,000 mm	$(5 \cdot L + 1.5) \mu\text{m}$	Indirect measurement on a length gauge			
Micrometric heads	0 mm	to	50 mm	$(5 \cdot L + 1.2) \mu\text{m}$				
3	Thread gauges	1 mm	to	300 mm	$(5 \cdot L + 2.5) \mu\text{m}$	Direct measurement on a length gauge	KP 12	
	Threaded rings	3.5 mm	to	200 mm	$(3 \cdot L + 2.5) \mu\text{m}$			
	Threaded rings	1 mm	to	16 mm	$(6 \cdot L + 3.0) \mu\text{m}$	Comparison with a threaded wear gauge		
	Conical thread gauges and rings	1 mm	to	50 mm	$(6 \cdot L + 10) \mu\text{m}$	Comparison with a threaded comparison pin gauge, ring		
4	Cylindrical, flat, slot, square and hexagonal gauges	0 mm	to	300 mm	$(5 \cdot L + 0.4) \mu\text{m}$	Direct measurement on a length gauge	KP 12	
	Setting gauges for micrometers	0 mm	to	1,000 mm	$(5 \cdot L + 0.4) \mu\text{m}$			

**The Appendix is an integral part of
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		min. unit	max. unit					
	Measuring wires and cylindrical gauges	0 mm	to 100 mm		$(5 \cdot L + 0.4) \mu\text{m}$			
	Snap gauges	2 mm	to 250 mm		$(5 \cdot L + 0.7) \mu\text{m}$			
	Setting and limit rings	2 mm	to 250 mm		$(5 \cdot L + 0.7) \mu\text{m}$			
	Feeler gauges	0 mm	to 10 mm		$(20 \cdot L + 0.6) \mu\text{m}$			
	Calibration foils	0 mm	to 20 mm		0.4 μm			
	Wedges for joints	0 mm	to 30 mm		15 μm			
5	Dial and digital indicators	0 mm	to 100 mm		$(5 \cdot L + 0.4) \mu\text{m}$	Direct measurement by a special measuring device or a length gauge	KP 12	
	Lever indicators	0 mm	to 10 mm		$(5 \cdot L + 0.4) \mu\text{m}$			
	Length sensors	0 mm	to 100 mm		$(5 \cdot L + 0.4) \mu\text{m}$			
	Internal gauges with indicator	0 mm	to 300 mm		$(5 \cdot L + 0.4) \mu\text{m}$			
6	Tape measures	0 mm	to 15 m		$(50 \cdot L + 150) \mu\text{m}$	Direct measurement with a standard scale	KP 13	
	Folding rules	0 mm	to 5 m		$(50 \cdot L + 180) \mu\text{m}$			
	Tape measures	0 mm	to 100 m		$(70 \cdot L + 40) \mu\text{m}$			
	Length gauges	0 mm	to 5 m		$(50 \cdot L + 50) \mu\text{m}$			
	Measuring tapes	0 mm	to 10 m		$(70 \cdot L + 50) \mu\text{m}$			
	Telescopic tubes	0 mm	to 5 m		$(50 \cdot L + 270) \mu\text{m}$			
	Laser distance meters	0 mm	to 5 m		0.2 mm			
	Gauges	0 mm	to 200 mm		$(5 \cdot L + 2.0) \mu\text{m}$	Direct measurement by a 2D microscope		
Measuring tapes for circumference and diameter measurement	0 mm	to 300 mm		$(100 \cdot L + 30) \mu\text{m}$	Direct measurement with cylindrical gauges			
7	Thickness gauges with dial indicator	0 mm	to 100 mm		$(10 \cdot L + 1.0) \mu\text{m}$	Direct measurement parallel gauge blocks	KP 14	
	Ultrasonic thickness gauges	0 mm	to 200 mm		$(10 \cdot L + 3.0) \mu\text{m}$	Direct measurement with step gauges and parallel gauge blocks		

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		min. unit	max. unit					
	Layer thickness measuring devices	0 mm	to 1.5 mm		2.0 μm	Direct measurement with layer thickness standards		
	Dial indicators with measuring arms for external measurement	0 mm	to 300 mm		(10·L + 1.0) μm	Direct measurement with parallel gauge blocks		
	Dial indicators with measuring arms for internal measurement	2 mm	to 200 mm		(10·L + 2.0) μm	Direct measurement with reference rings		
8	Parallel gauge blocks 3th order 4th order 5th order	0.1 mm	to 0.5 mm		(1·L + 0.1) μm	Comparison with parallel gauge blocks using a comparator or a length gauge	KP 15	
		2.5 mm	to 25 mm		(1·L + 0.1) μm			
		0.5 mm	to 100 mm		(2·L + 0.2) μm			
		0.5 mm	to 500 mm		(5·L + 0.5) μm			
9	Roughness meters	0.01 μm	to 6,000 μm		5 %	Direct measurement by roughness standards	KP 04	
	Roughness standards	0.01 μm	to 6,000 μm		5 %	Direct measurement on a roughness meter		
10	Rules	0 mm	to 10 mm	length up to 1 m	(2·L + 1.5) μm	Direct measurement with a linear height gauge with a length sensor for the measurement of perpendicularity and straightness	KP 29	
		0 μm	to 100 μm	length up to 2 m	(4·L + 4.0) μm	Direct measurement with parallel gauge blocks from the standard plane		
	Check bars	0 mm	to 10 mm	length up to 2 m	30 μm	Direct measurement with parallel gauge blocks on a surface plate		
11	Angles 90°	0 mm	to 5 mm	0.40 m	(4·L + 2.0) μm	Direct measurement with a perpendicularity standard and parallel gauge blocks	KP 18	
		0 mm	to 10 mm	length up to 1 m	(4·L + 2.0) μm	Direct measurement with a linear height gauge with a length sensor for the measurement of perpendicularity and straightness		

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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).

L length in metres

CMC for the field of measured quantity: Temperature

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min. unit	max. unit					
1	Direct indicating thermometers	0 °C			0.05 °C	Comparative measurement with a standard thermometer in a mixture of ice and water	KP 31	
		20 °C	to 150 °C		0.07 °C	Comparative measurement with a standard thermometer in a liquid bath		
		-18 °C	to 45 °C		0.2 °C	Comparative measurement with a standard thermometer in a climatic chamber		
		-30 °C	to 100 °C		0.1 °C	Comparative measurement with a standard thermometer in a dry block		
		100 °C	to 200 °C		0.2 °C			
		200 °C	to 300 °C		0.3 °C			
		300 °C	to 400 °C		0.4 °C			
		400 °C	to 500 °C		0.5 °C			
500 °C	to 600 °C		0.6 °C					
600 °C	to 660 °C		0.7 °C					
300 °C	to 400 °C		1.3 °C	Comparative measurement with a standard thermometer in a horizontal furnace				
400 °C	to 600 °C		1.5 °C					
600 °C	to 800 °C		2.0 °C					
800 °C	to 1,100 °C		2.5 °C					

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		min. unit	max. unit					
2	Non-contact thermometers	35 °C	to 100 °C		1.9 °C	Comparison with a standard target black body	KP 34	
		100 °C	to 200 °C		2.1 °C			
		200 °C	to 350 °C		2.7 °C			
		350 °C	to 500 °C		3.2 °C			

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"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "