



**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. 70/2026

**KSQ spol. s r.o.**  
**with registered office Lidická tř. 1937, 370 07 České Budějovice**  
**Company Registration No. 26025230**

for the Calibration Laboratory No. **2288**  
Calibration Laboratory

Scope of accreditation:

Calibration of meters in the field of length, plane angle, moment of force, pressure, temperature and relative humidity 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.: 685/2024 of 18/12/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **12/02/2031**

Prague: 12/02/2026



Signed in the Czech original:  
Gor Petrosjan on 12/02/2026

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

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

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

**KSQ spol. s r.o.**  
CAB number 2288, Calibration Laboratory  
Lidická tř. 1937, 370 07 České Budějovice

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

Ord. 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>	Location
		min. unit	max. unit					
1	Parallel gauge blocks	0.5 mm	to 100 mm		$(0.7 \cdot L + 0.08) \mu\text{m}$	Measurement using parallel gauge blocks	KM 301	
2	Two-contact internal gauges with indicator	6 mm	to 400 mm		2 $\mu\text{m}$	Measurement by setting rings	KM 303	
3*	Internal gauges	2 mm	to 315 mm		2 $\mu\text{m}$	Measurement by setting rings	KM 304	
4	Inside micrometer gauges	25 mm	to 300 mm		2 $\mu\text{m}$	Measurement on a length gauge	KM 305	
		300 mm	to 600 mm		3 $\mu\text{m}$			
5*	Micrometer gauges for external measurement	0 mm	to 50 mm		1 $\mu\text{m}$	Measurement using parallel gauge blocks	KM 306	
		50 mm	to 100 mm		2 $\mu\text{m}$			
		100 mm	to 300 mm		3 $\mu\text{m}$			
		300 mm	to 500 mm		5 $\mu\text{m}$			
	Micrometer depth gauges	0 mm	to 300 mm		2 $\mu\text{m}$			
6*	Slide gauges	0 mm	to 250 mm	DS:0.01 mm	0.01 mm	Measurement using parallel gauge blocks	KM 307	
		250 mm	to 1,500 mm		0.02 mm			
		1,500 mm	to 2,500 mm		0.03 mm			
		0 mm	to 450 mm	DS: 0.001 mm	2 $\mu\text{m}$			
		450 mm	to 1,200 mm		3 $\mu\text{m}$			
	Slide height gauges	0 mm	to 1,200 mm	DS: 0.0001 mm	$(3.5 \cdot L + 0.25) \mu\text{m}$	Measurement using a step gauge		
7	Thread gauges – male	1 mm	to 200 mm		2 $\mu\text{m}$	Measurement on a length gauge	KM 309	
	Thread gauges – female	3 mm	to 200 mm		2 $\mu\text{m}$			

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Ord. 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>	Location
		min. unit	max. unit					
8	Plain gauges – external measurement	0 mm	to 500 mm		0.5 μm	Measurement on a length gauge	KM 310	
	Plain gauges – internal measurement	3 mm	to 300 mm		0.8 μm			
	Limit rings	3 mm	to 300 mm		0.8 μm			
9	Measuring magnifiers	0 mm	to 100 mm		3 μm	Measurement on a microscope	KM 311	
10	Test sieves	0 mm	to 125 mm		3 μm	Measurement on a microscope	KM 312	
11	Steel rules	0 mm	to 2,000 mm		3 μm	Measurement on a microscope and comparison with a reference gauge	KM 313	
12	Steel tape measures	0 mm	to 10 m		0.2 mm	Comparison with a reference gauge	KM 314	
13*	Pasameters and thickness gauges	0 mm	to 500 mm		1 μm	Measurement using parallel gauge blocks	KM 317	
14*	Deviation meters	0 mm	to 200 mm		0.5 μm	Measurement by a special measuring device	KM 318	
15*	Measuring microscopes and profile projectors	0 mm	to 300 mm		3 μm	Measurement with a glass gauge	KM 319	
	Optical measuring systems with camera recording	0 mm	to 280 mm		1.2 μm	Measurement with a glass gauge and special gauges		
16*	Optical scanners for measuring rotating parts - diameter	0 mm	to 180 mm		(3·L +0.6) μm	Measurement using a special diameter standard	KM 320	
	- length	0 mm	to 1,250 mm		(5·L +0.8) μm	Measurement using a special length standard		
17	Efflux viscometers	0 mm	to 10 mm		3 μm	Measurement on a microscope	KM 321	
18	Blade measuring rules	0 mm	to 150 mm		0.5 μm	Measurement on a length gauge	KM 322	
		150 mm	to 500 mm		1 μm			

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Ord. 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>	Location
		min. unit	max. unit					
19	Feeler gauges	0 mm	to 3 mm		0.5 μm	Measurement on a length gauge	KM 323	
20*	Coordinate measuring machines	0 mm	to 2,000 mm		(1.5·L +0.5) μm (0.7·L +0.3) μm	Measurement using parallel gauge blocks Measurement using a step gauge	KM 324	
		0 mm	to 10000 mm		(0.8·L +0.1) μm	Measurement by a laser interferometer		
21*	Flatness / Surface plates	0 mm	to 110 mm	plate dimensions 50 mm to 8,000 mm	6 μm	Measurement with an electronic level	KM 308	
22*	Perpendicularity deviation / Check squares 90°	0 mm	to 0.2 mm	arm length 0 mm to 200 mm 200 mm to 630 mm	2 μm 3 μm	Comparison with a measuring cylinder using parallel gauge blocks	KM 316	

<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 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.....nominal length (m)

DS....division of the scale

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**CMC for the field of measured quantity: Plane angle**

Ord. 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>	Location
		min.	unit	max.	unit					
1*	Angle gauges	0 °	to	360 °		2'	Measurement using angle gauges	KM 315		
2*	Measuring microscopes, profile projectors, and optical measuring systems with camera imaging	0 °	to	360°		2'	Measurement using angle gauges	KM 319		

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

Ord. number <sub>1</sub>	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>	Location
		min.	unit	max.	unit					
1*	Torque wrenches, torque screwdrivers, torque drivers	0.2 N·m		to	250 N·m		1 %	Measurement using a torque measurement device (ČSN EN ISO 6789-2)	KM 501	

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

Ord. 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>	Location
		min. unit	max. unit					
1*	Deformation pressure gauges (manometers), electromechanical pressure gauges, pressure transducers, pressure measuring chains	-95 kPa	to 0 kPa	Vacuum – gas	75 Pa	Comparison with a reference pressure gauge	KM 401 KM 402	
		0 kPa	to 35 kPa	Overpressure – gas	10 Pa			
		35 kPa	to 200 kPa		75 Pa			
		0.2 MPa	to 2 MPa		0.6 kPa			
		2 MPa	to 7 MPa	Overpressure – liquid, gas	2.1 kPa			
		7 MPa	to 20 MPa	Overpressure – gas	21 kPa			
		7 MPa	to 35 MPa	Overpressure – liquid	21 kPa			
		35 MPa	to 70 MPa	Overpressure – liquid	42 kPa			
0 kPa	to 200 kPa	Absolute pressure – gas	60 Pa					
0.2 MPa	to 2 MPa		0.6 kPa					

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

Ord. 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>	Location
		min.	unit	max.	unit					
1*	Direct-indicating dial thermometers	-10 °C	to	80 °C		0.2 °C	Comparative measurement with a standard in a liquid bath/dry block calibrator	KM 102		
		80 °C	to	100 °C		0.3 °C				
		100 °C	to	300 °C		0.8 °C				
2*	Direct-indicating electronic thermometers (indicating) and dataloggers, including temperature measuring chains	-90 °C	to	-50 °C		0.09 °C	Comparative measurement with a standard in a liquid bath/dry block calibrator, in a conditioning chamber	KM 105		
		-50 °C	to	0 °C		0.07 °C				
		0 °C				0.06 °C				
		0 °C	to	100 °C		0.07 °C				
		100 °C	to	250 °C		0.09 °C				
		250 °C	to	300 °C		0.10 °C				
		350 °C	to	420 °C		0.11 °C				
		420 °C	to	650 °C		0.14 °C				
		650 °C	to	1,100 °C		1.4 °C				
		1,100 °C	to	1,300 °C		2.0 °C				
		1,300 °C	to	1,600 °C		2.4 °C				
3*	Non-contact thermometers (pyrometers)	23 °C	to	50 °C		1.7 °C	Comparative measurement with a standard on a black body	KM 106		
		50 °C	to	150 °C		1.8 °C				
		150 °C	to	200 °C		2.0 °C				
		200 °C	to	250 °C		2.3 °C				
		250 °C	to	300 °C		2.8 °C				
		300 °C	to	400 °C		3.3 °C				
		400 °C	to	500 °C		3.8 °C				

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**CMC for the field of measured quantity: Air humidity**

Ord. 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>	Location
		min.	unit	max.	unit					
1	Hygrometers for measuring relative air humidity, electronic and combined hygrometers, dataloggers	30 % RH	to	80 % RH		20 °C to 25 °C	2.0 % RH	Comparison with a standard relative humidity meter, measurement in a conditioning chamber	KM 201	
		80 % RH	to	90 % RH		20 °C to 25 °C	2.3 % RH			

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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. "*