



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. 504/2022

Hexagon Metrology s.r.o.
with registered office Boudníkova 2538/13, Libeň, 180 00 Praha 8,
Company Registration No. 27897958

to the Calibration Laboratory No. 2397
Calibration Laboratory

Scope of accreditation:

Calibration in the field of length 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.: 725/2020 of 1. 12. 2020, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **1. 12. 2025**

Prague: 27. 10. 2022




Lukáš Burda
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:

Hexagon Metrology s.r.o.
Calibration Laboratory
Boudníkova 2538/13, Libeň, 180 00 Praha 8

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 expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Workplace
		min. unit	max. unit					
1*	Coordinate measuring machines	0 m	to 6 m		(0.4·L + 0.27) μm	With parallel gauge blocks and a step gauge	KP1 - SMS1	
	Sensing system errors	10 mm	to 50 mm		0.1 μm	With a calibration ball		
	Coordinate measuring machines	0 m	to 30 m		(0.5·L + 0.06) μm	With a laser interferometer	KP2 - SMS2	
	Sensing system errors	10 mm	to 50 mm		0.1 μm	With a calibration ball		
2*	Coordinate measuring machines with a laser sensor	10 mm	to 50 mm		1.9 μm	With a standard white plate and calibration ball	KP5 – LASER	
	Sensing of shape and scatter of sensing	10 mm	to 160 mm		2.0 μm			
3	Optical measuring machines with a multisensor	0 mm	to 400 mm		(1.1·L + 0.3) μm	With parallel gauge blocks	KP3 – OPTICS	
	Sensing system errors	0 mm	to 50 mm		(1.2·L + 0.6) μm	With a glass rule		
4	Measuring arms	0 mm	to 50 mm		0.1 μm	With a calibration ball	KP4 – ARMS	
	Laser trackers	0 m	to 4.5 m		(2.1·L + 2.2) μm	With a calibration ball and calibration rod	KP6 – LASER TRACKER	
	Spatial length	0 mm	to 2,500 mm		12 μm	With a switching distance sensor or reflector		
	Distance offset	0 m	to 1.2 m		14 μm	With an optical distance sensor		
	Absolute distance meter modulation frequency	0 Hz	to 25 MHz		7 μm	With a self-calibration procedure		
					0.75 Hz	With a rubidium frequency standard		

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, 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.

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 measured length (m)

