

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

**TOPMES s.r.o.**  
CAB number 2403, TOPMES Calibration Laboratory  
Štěrboholská 1307/44, Hostivař, 102 00 Praha 10

**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>	Work-place
		min.	unit	max.	unit					
1*	Length measuring instrument	0 mm	to	6,000 mm		$(0.6 L + 0.03) \mu\text{m}$	Direct measurement by a laser interferometer	KLT_01_KP		
2*	Measuring microscope, profile projector	0 mm	to	500 mm		$(0.6 L + 0.03) \mu\text{m}$	Direct measurement by a laser interferometer	KLT_02_KP		
3*	Coordinate measuring machine, measuring arm	0 mm	to	3,000 mm		$(1 L + 0.2) \mu\text{m}$ $(1.2 L + 1.2) \mu\text{m}$	Contact measurement using length bars and a test sphere Non-contact measurement using a ballbar and a test sphere	KLT_03_KP		
		3,000 mm	to	7,000 mm		$(2.4 L + 1.0) \mu\text{m}$ $(2.5 L + 1.5) \mu\text{m}$	Contact measurement using length bars and a test sphere Non-contact measurement using a ballbar and a test sphere			

<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).

**Explanatory notes:**

L ... measured length in metres