



SCS Directory

Accreditation number: **SCS 0074**

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

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Initial accreditation: 18.12.1996
Current accreditation: 20.01.2017 to 19.01.2022
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 20.01.2017

Calibration laboratory for Length

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
LENGTH Gauge blocks according to ISO 3650 - from steel - from ceramic	0.5 mm to 100 mm + 131.4 mm	Measurement of the deviation of the central length by comparison measurement Measurement of the deviations f_0 and f_U from the central length by 5 points comparison measurement	0.05 μm + 0.6 * 10 ⁻⁶ * L 0.06 μm + 0.6 * 10 ⁻⁶ * L 0,05 μm	



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
Axially parallel unidirectional length measurement error E_{UXY} for measuring microscopes analogue to EN ISO 10360-7	cross table X-, Y-axis 0 to 400 mm		E_{UX} and E_{UY} : $0,4 \mu\text{m} + 2,5 \cdot 10^{-6} \cdot L$	

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