

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Confederation

SCS Directory

Federal Department of Economic Affairs, Education and Research EAER

State Secretariat for Economic Affairs SECO Swiss Accreditation Service SAS

Accreditation number: SCS 0044

International standard:	ISO/IEC 17025:2017			
Swiss standard:	SN EN ISO/IEC 17025:2018			
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Telephone:+41 52 233 66 66E-Mail:snezana.jans@wylerag.comInternet:www.wylerag.comInitial accreditation:28.04.1993Current accreditation:17.05.2024 to 16.05.2029Scope of accreditation see:www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 17.05.2024

Calibration laboratory for length (flatness) and inclination angles

Calibration and Measurement	Capability (CMC)
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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty ± ¹⁾	Remarks
LENGTH				
Surface plate	till 12,5 m ²		$(0,5 + 0,5 \cdot L^2) \mu m$ L = length of plate in	
Flatness			m	
Angle				
Inclination	± 20 mm/m		1 μm/m + 0,002•E <i>E</i> = measured value	
Electronical Inclination measurement instruments				
Spirit levels with vials				



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty ± ¹⁾	Remarks
Mechanical inclination measurement instruments				
Inclination measurement instruments	Full circle, interval ½°		1.2"	
	Full circle, interval 1°		2,5"	
	±60°, interval 1°		2,1"	
Perpendicularity of measuring bases on electronical inclination measurement instru- ments and spirit levels	Width < 150 mm Length < 300 mm	Resolution		Prismatic and flat measuring bases
		1 µm/m	5 µm/m	
		5 µm/m	7 µm/m	
		10 µm/m	8 µm/m	
Perpendicularity of flat angle standards and machine parts	50 mm \leq Width \leq 2500 mm		(1,7 + 0,5•SL)·µm	Especially granite-, ceramic- and cast iron standards
	200 mm ≤ Length ≤ 2500 mm		SL: Longer side length in m	
Setting gauge for inclination measuring instruments Clinotronic	±50°, interval 5°		1,8"	

In case of contradictions in the language versions of the directories, the German version shall apply.

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1) The given extended measurement uncertainty is the standard uncertainty of the measurement multiplied by an extension factor k = 2, which corresponds to a confidence level of about 95% for a normal distribution.