

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			
WYLER AG	Head:	Snezana Jans		
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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<br/>(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 ± <sup>1)</sup>	Remarks
LENGTH				
Surface plate	till 12,5 m <sup>2</sup>		$(0,5 + 0,5 \cdot L^2) \mu m$ 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 ± <sup>1)</sup>	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.