



## SCS Directory

Accreditation number: SCS 0044

International standard: ISO/IEC 17025:2017  
Swiss standard: SN EN ISO/IEC 17025:2018

WYLER AG  
Kalibrierstelle  
Im Hölderli 13  
8405 Winterthur

Head: Snezana Jans  
Responsible for MS: Snezana Jans  
Telephone: +41 52 233 66 66  
E-Mail: [snezana.jans@wylerag.com](mailto:snezana.jans@wylerag.com)  
Internet: [www.wylerag.com](http://www.wylerag.com)  
Initial accreditation: 28.04.1993  
Current accreditation: 17.05.2024 to 16.05.2029  
Scope of accreditation see: [www.sas.admin.ch](http://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)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
<b>LENGTH</b>				
<b>Surface plate</b>	till 12,5 m <sup>2</sup>		(0,5 + 0,5•L <sup>2</sup> ) $\mu$ m L = length of plate in m	
Flatness				
<b>ANGLE</b>				
Inclination	$\pm$ 20 mm/m		1 $\mu$ m/m + 0,002•E E = 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 $\pm$ <sup>1)</sup>	Remarks
Mechanical inclination measurement instruments				
Inclination measurement instruments	Full circle, interval $\frac{1}{2}^\circ$		1,2"	
	Full circle, interval $1^\circ$		2,5"	
	$\pm 60^\circ$ , interval $1^\circ$		2,1"	
Perpendicularity of measuring bases on electronical inclination measurement instruments and spirit levels	Width < 150 mm Length < 300 mm	Resolution		Prismatic and flat measuring bases
		1 $\mu\text{m}/\text{m}$	5 $\mu\text{m}/\text{m}$	
		5 $\mu\text{m}/\text{m}$	7 $\mu\text{m}/\text{m}$	
		10 $\mu\text{m}/\text{m}$	8 $\mu\text{m}/\text{m}$	
Perpendicularity of flat angle standards and machine parts	$50 \text{ mm} \leq \text{Width} \leq 2500 \text{ mm}$  $200 \text{ mm} \leq \text{Length} \leq 2500 \text{ mm}$		$(1,7 + 0,5 \cdot \text{SL}) \cdot \mu\text{m}$  SL: Longer side length in m	Especially granite-, ceramic- and cast iron standards
Setting gauge for inclination measuring instruments Clinotronic	$\pm 50^\circ$ , interval $5^\circ$		1,8"	

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

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