



## SCS Directory

Accreditation number: SCS 0171

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

Proceq AG  
Calibration Lab  
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Initial accreditation: 03.08.2022  
Current accreditation: 03.08.2022 to 02.08.2027  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 03.08.2022

#### Calibration laboratory for hardness and optical measurements

##### Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
<b>Hardness:</b>				
Leeb	HLD 450 - 800 Leeb	Indirect	1,1 %	Acc. to ISO 16859-2
Hardness testing device	HLE 550 - 850 Leeb	Indirect	1,1 %	Acc. to ISO 16859-2
	HLG 400 - 600 Leeb	Indirect	1,1 %	Acc. to ISO 16859-2
	HLS 600 - 900 Leeb	Indirect	1,1 %	Acc. to ISO 16859-2
	HLC 500 - 850 Leeb	Indirect	1,1 %	Acc. to ISO 16859-2
	HLDL 650 - 900 Leeb	Indirect	1,1 %	Acc. to ISO 16859-2
Leeb hardness test blocks	HLD 450 - 800 Leeb	Indirect	1,04 %	Acc. to ISO 16895-3
	HLE 550 - 850 Leeb	Indirect	1,04 %	Acc. to ISO 16895-3
	HLG 400 - 600 Leeb	Indirect	1,04 %	Acc. to ISO 16895-3



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
Portable Vickers testing device	HLS 600 - 900 Leeb	Indirect	1,04 %	Acc. to ISO 16895-3
	HLC 500 - 850 Leeb	Indirect	1,04 %	Acc. to ISO 16895-3
	HLDL 650 - 900 Leeb	Indirect	1,04 %	Acc. to ISO 16895-3
	UCI HV1 / 200 - 900 HV	Indirect	1,5 * U <sub>crm</sub>	Acc. to DIN 50159-2
	UCI HV5 / 200 - 900 HV	Indirect	1,5 * U <sub>crm</sub>	Acc. to DIN 50159-2
	UCI HV10 / 200 - 900 HV	Indirect	1,5 * U <sub>crm</sub>	Acc. to DIN 50159-2
Portable Rockwell testing device	HRC 50N 20-65 HRC	Indirect	0,5 HRC	Acc. to DIN 50157-2
<b>Optical measures:</b>				
Retroreflectometer Road marking				
Day visibility (Q <sub>d</sub> )	5 mcd · m <sup>-2</sup> · lx <sup>-1</sup> ... 400 mcd · m <sup>-2</sup> · lx <sup>-1</sup>	Indirect	10 %	Only Proceq / Zehntner device, Measuring geometry acc. to EN 1436:2018
Night visibility (R <sub>L</sub> )	5 mcd · m <sup>-2</sup> · lx <sup>-1</sup> ... 2000 mcd · m <sup>-2</sup> · lx <sup>-1</sup>	Indirect	10 %	Only Proceq / Zehntner device, Measuring geometry acc. to EN 1436:2018
Retroreflectometer traffic signs / foils				
Specific reflection value R <sub>A</sub> (Night visibility)	1 cd · m <sup>-2</sup> · lx <sup>-1</sup> ... 2000 cd · m <sup>-2</sup> · lx <sup>-1</sup>	Indirect	7 %	Only Proceq / Zehntner device, Measuring geometry acc. to ASTM E1709, ASTM E2540, CUAP 01.06/04, EN 67520, EN 12899-1, ISO 20471

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

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