



SCS Directory

Accreditation number: SCS 0018

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

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	Initial accreditation:	20.12.1988
Current accreditation:	10.01.2025 bis 09.01.2030	
Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)	

Scope of accreditation as of 10.01.2025

Calibration laboratory for pressure

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty \pm ¹⁾	Remarks
Pressure in fluids (gauge)	100kPa ... 4MPa		30ppm + 6Pa	Supplemental uncertainty for devices with an electrical-output: 0.01 μ A or 10 μ V
	1MPa ... 40MPa		40ppm + 32Pa	
	2MPa ... 80MPa		40ppm + 62Pa	
Gas pressure (gauge)	- 1kPa...+ 3kPa		200ppm, but not less than 0.2Pa	
Gas pressure (gauge)	-1.25kPa ... 1.25kPa		70ppm + 0.3Pa	
	0kPa ... 5kPa		50ppm + 0.5Pa	
	5kPa ... 10kPa		60ppm + 0.5Pa	
	10kPa ... 100kPa		60ppm + 4Pa	
	0.1MPa ... 0.2MPa		50ppm + 10Pa	



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Messured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty \pm ¹⁾	Remarks
Gas pressure (gauge)	0.2MPa ... 1MPa		50ppm + 30Pa	Supplemental uncertainty for devices with an electrical-output: 0.01 μ A or 10 μ V
	1MPa ... 3MPa		30ppm + 150Pa	
	3MPa ... 10MPa		30ppm + 300Pa	
Gas pressure (absolute)	1.0E-06 ... 0.1mbar		0.4*P ² + 0.015*P + 0.0000015mbar (P in mbar)	
	0kPa ... 5kPa		50ppm + 0.5Pa	
	3kPa ... 120kPa		25ppm + 10Pa	
	7kPa ... 350kPa		40ppm + 20Pa	
	3kPa ... 1MPa		50ppm + 30Pa	
	3kPa ... 3MPa		30ppm + 150Pa	
	3kPa ... 10MPa		30ppm + 300Pa	
Pressure in fluids (absolute)	100kPa ... 4MPa		30ppm + 16Pa	
	1MPa ... 40MPa		40ppm + 42Pa	
	2MPa ... 80MPa		40ppm + 72Pa	

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.