



Schweizerische Eidgenossenschaft

Confédération suisse

Confederazione Svizzera

Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER

State Secretariat for Economic Affairs SECO

Swiss Accreditation Service SAS

SCS Directory

Accreditation number: SCS 0034

International standard: ISO/IEC 17025:2017

Swiss standard: SN EN ISO/IEC 17025:2018

SWiCAL swiss calibration GmbH
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Internet: www.swical.ch
Initial accreditation: 02.04.1991
Current accreditation: 05.10.2022 to 04.10.2027
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 29.12.2025

Calibration laboratory for pressure, temperature and humidity

Calibration and Measurement Capability (CMC)

| Measured Quantity / Instrument or Gauge | Measurement Range | Measurement Conditions | Best Measurement Uncertainty $\pm 1)$ | Remarks |
|--|--|------------------------|---------------------------------------|--|
| Absolute pressure Calibration of pressure measuring instruments: Pressure Sensor, pressure transmitter, logger, measuring system, barometer Mechanical, electrical, electronic, direct-reading, with output signal | 1 mbar ... 3450 mbar 1 mbar ... 1400 mbar | | 0,5 mbar 0,25 mbar | Comparison with the reference pressure generated by pressure references Absolute References |



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| Measured Quantity / Instrument or Gauge | Measurement Range | Measurement Conditions | Best Measurement Uncertainty $\pm 1)$ | Remarks |
|--|---|----------------------------|--|--|
| Overpressure Calibration of pressure measuring instruments: Pressure Sensor, pressure transmitter, logger, measuring system Mechanical, electrical, electronic, direct-reading, with output signal | 1 bar ... 2500 bar | | 0,03 % | Comparison with the reference pressure generated by pressure references Dead Weight Tester, Absolute References |
| Overpressure Calibration of deadweight testers | 1 bar ... 700 bar | | 0,03 % | |
| Temperature Calibration of temperature measuring instruments of all kinds: Mechanical Electrical Electronic Direct-reading With output signal Logger Temperature measuring system | -20 °C ... < 40 °C 40 °C ... < 100 °C | In air, in climate chamber | 1,4 °C 1,4 °C | Comparison with reference platinum resistance |
| Temperature Calibration of temperature measuring instruments of all kinds: Mechanical Electrical Electronic Direct-reading With output signal Logger | -80 °C ... 20 °C 4 °C ... 85 °C 80 °C ... 160 °C 160 °C ... 250 °C | In calibration baths | 0,05 °C 0,05 °C 0,09 °C 0,10 °C | Comparison with standard platinum resistance thermometer (SPRT) |



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| Measured Quantity / Instrument or Gauge | Measurement Range | Measurement Conditions | Best Measurement Uncertainty ± 1) | Remarks |
|--|-------------------|------------------------|--|--|
| Temperature measuring system Relative Humidity Calibration of humidity measuring instruments of all kinds: Mechanical Electrical Electronic Direct-reading With output signal Logger Humidity measuring system | | Ambient temperature: | | Comparison with dew point mirror In climate chamber |

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

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