



SCS Directory

Accreditation number: SCS 0065

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

ROTRONIC AG
Calibration laboratory
Grindelstrasse 6
8303 Bassersdorf

Head: Raphael von Bergen
Responsible for MS: Andreas Gähwiler
Telephone: +41 44 838 12 21
E-Mail: <mailto:calibration@rotronic.ch>
Internet: <http://www.rotronic.ch>
Initial accreditation: 27.04.1995
Current accreditation: 31.10.2019 to 30.10.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Site under the accreditation:

Einsteinstrasse 17 - 23
D-76275 Ettlingen

Scope of accreditation as of 16.08.2022

Calibration laboratory for temperature and relative humidity (rh)

Calibration and Measurement Capability (CMC)

All calibration and measurement capabilities: Headquarters and site under the accreditation.

In the laboratory at ambient temperature: 21 °C ... 25 °C

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
TEMPERATURE	-10 °C ... < 0 °C		0.25 °C	In climatic chamber
	0 °C ... < 35 °C		0.15 °C	In climatic chamber
	35 °C ... < 50 °C		0.20 °C	In climatic chamber
	50 °C ... 70 °C		0.25 °C	In climatic chamber
	21 °C ... 25 °C		0.1 °C	In the humidity generator
Resistive temperature device PT100	-25 °C ... 125 °C		0.03 °C	In the temperature bath
Digital probe	-25 °C ... 125 °C		0.04 °C	In the temperature bath



SCS Directory

Accreditation number: SCS 0065

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
RELATIVE HUMIDITY	0.5 % rh ... < 20 % rh	21 °C ... 25 °C	0.2 % rh	In the humidity generator
	20 % rh ... < 40 % rh	21 °C ... 25 °C	0.3 % rh	In the humidity generator
	40 % rh ... < 65 % rh	21 °C ... 25 °C	0.4 % rh	In the humidity generator
	65 % rh ... < 85 % rh	21 °C ... 25 °C	0.5 % rh	In the humidity generator
	85 % rh ... 99 % rh	21 °C ... 25 °C	0.6 % rh	In the humidity generator
	10 % rh ... < 20 % rh	-10 °C ... < 0 °C	0.6 % rh	In climatic chamber
	20 % rh ... < 40 % rh	-10 °C ... < 0 °C	0.9 % rh	In climatic chamber
	40 % rh ... < 65 % rh	-10 °C ... < 0 °C	1.5 % rh	In climatic chamber
	65 % rh ... 95 % rh	-10 °C ... < 0 °C	2.1 % rh	In climatic chamber
	10 % rh ... < 20 % rh	0 °C ... < 10 °C	0.5 % rh	In climatic chamber
	20 % rh ... < 40 % rh	0 °C ... < 10 °C	0.6 % rh	In climatic chamber
	40 % rh ... < 65 % rh	0 °C ... < 10 °C	0.9 % rh	In climatic chamber
	65 % rh ... 95 % rh	0 °C ... < 10 °C	1.2 % rh	In climatic chamber
	10 % rh ... < 20 % rh	10 °C ... < 35 °C	0.4 % rh	In climatic chamber
	20 % rh ... < 40 % rh	10 °C ... < 35 °C	0.5 % rh	In climatic chamber
	40 % rh ... < 65 % rh	10 °C ... < 35 °C	0.7 % rh	In climatic chamber
	65 % rh ... 95 % rh	10 °C ... < 35 °C	0.9 % rh	In climatic chamber
	10 % rh ... < 20 % rh	35 °C ... < 50 °C	0.5 % rh	In climatic chamber
	20 % rh ... < 40 % rh	35 °C ... < 50 °C	0.6 % rh	In climatic chamber
	40 % rh ... < 65 % rh	35 °C ... < 50 °C	0.8 % rh	In climatic chamber
	65 % rh ... 95 % rh	35 °C ... < 50 °C	1.0 % rh	In climatic chamber
	10 % rh ... < 20 % rh	50 °C ... 70 °C	0.5 % rh	In climatic chamber
	20 % rh ... < 40 % rh	50 °C ... 70 °C	0.6 % rh	In climatic chamber
	40 % rh ... < 65 % rh	50 °C ... 70 °C	1.0 % rh	In climatic chamber
65 % rh ... 95 % rh	50 °C ... 70 °C	1.6 % rh	In climatic chamber	



SCS Directory

Accreditation number: SCS 0065

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
HUMIDITY STANDARDS OF OUR OWN PRODUCTION	0.15 % rh ... < 25 % rh	21 °C ... 25 °C	0.3 % rh	Site Switzerland
	25 % rh ... < 40 % rh	21 °C ... 25 °C	0.4 % rh	Site Switzerland
	40 % rh ... < 70 % rh	21 °C ... 25 °C	0.6 % rh	Site Switzerland
	70 % rh ... < 85 % rh	21 °C ... 25 °C	0.7 % rh	Site Switzerland
	85 % rh ... < 99 % rh	21 °C ... 25 °C	0.8 % rh	Site Switzerland

All calibration and measurement options: on site.

At the customer's premises at ambient temperature: 15 °C ... 30 °C.

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
Relative humidity and Temperature	10 % rh ... 90 % rh	10 °C ... 40 °C	1.3 % rh 0.3 °C	In the temperature and humidity generator
TEMPERATURE	-90 °C ... < 0 °C		0.4 °C	In the dry block calibrator
	0 °C ... 125 °C		0.25 °C	In the dry block calibrator

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

* / * / * / * / *