



SCS Directory

Accreditation number: SCS 0065

International standard: ISO/IEC 17025:2005

Swiss standard: SN EN ISO/IEC 17025:2005

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:scs@rotronic.ch>

Internet:

<http://www.rotronic.ch>

Site under the accreditation:

Einsteinstrasse 17 - 23
D-76275 Ettlingen

Initial accreditation:

27.04.1995

Current accreditation:

31.10.2014 to 30.10.2019

Scope of accreditation see:

www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 31.10.2014

Calibration laboratory for temperature and humidity

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
TEMPERATURE	-10 °C ... < 0 °C	In air	0,25 °C	
	0 °C ... < 21 °C		0,15 °C	
	21 °C ... < 25 °C		0,10 °C	
	25 °C ... < 35 °C		0,15 °C	
	35 °C ... < 50 °C		0,20 °C	
	50 °C ... 70 °C		0,25 °C	
Resistive temperature device PT100	- 25 °C ... 125 °C	In bath	0,03 °C	
Probes with analogue output	- 25 °C ... 125 °C	In bath	0,05 °C	



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks	
RELATIVE HUMIDITY	0,5 % rF ... < 20 % rF	AMBIENT TEMPERATURE: (23 \pm 2) °C	0,2 % rF		
	20 % rF ... < 40 % rF	(23 \pm 2) °C	0,3 % rF		
	40 % rF ... < 65 % rF	(23 \pm 2) °C	0,4 % rF		
	65 % rF ... < 85 % rF	(23 \pm 2) °C	0,5 % rF		
	85 % rF ... 99 % rF	(23 \pm 2) °C	0,6 % rF		
		AIR CONDITIONED BOX ROOM			
	10 % rF ... < 20 % rF	-10 °C ... < 0 °C	0,6 % rF		
	20 % rF ... < 40 % rF	-10 °C ... < 0 °C	0,9 % rF		
	40 % rF ... < 65 % rF	-10 °C ... < 0 °C	1,5 % rF		
	65 % rF ... 95 % rF	-10 °C ... < 0 °C	2,1 % rF		
	10 % rF ... < 20 % rF	0 °C ... < 10 °C	0,3 % rF		
	20 % rF ... < 40 % rF	0 °C ... < 10 °C	0,6 % rF		
	40 % rF ... < 65 % rF	0 °C ... < 10 °C	0,9 % rF		
	65 % rF ... 95 % rF	0 °C ... < 10 °C	1,2 % rF		
	10 % rF ... < 20 % rF	10 °C ... < 35 °C	0,2 % rF		
	20 % rF ... < 40 % rF	10 °C ... < 35 °C	0,5 % rF		
	40 % rF ... < 65 % rF	10 °C ... < 35 °C	0,7 % rF		
	65 % rF ... 95 % rF	10 °C ... < 35 °C	0,9 % rF		
	10 % rF ... < 20 % rF	35 °C ... < 50 °C	0,3 % rF		
	20 % rF ... < 40 % rF	35 °C ... < 50 °C	0,6 % rF		
	40 % rF ... < 65 % rF	35 °C ... < 50 °C	0,8 % rF		
	65 % rF ... 95 % rF	35 °C ... < 50 °C	1,0 % rF		
	10 % rF ... < 20 % rF	50 °C ... 70 °C	0,4 % rF		
20 % rF ... < 40 % rF	50 °C ... 70 °C	0,6 % rF			
40 % rF ... < 65 % rF	50 °C ... 70 °C	1,0 % rF			
65 % rF ... 95 % rF	50 °C ... 70 °C	1,6 % rF			



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability \pm ¹⁾	Remarks
HUMIDITY STANDARDS OF OUR OWN PRODUCTION	0,15 % rF.. < 25 % rF	(23 \pm 2) °C	0,3 % rF	
	25 % rF ... < 40 % rF	(23 \pm 2) °C	0,4 % rF	
	40 % rF ... < 70 % rF	(23 \pm 2) °C	0,6 % rF	
	70 % rF ... < 85 % rF	(23 \pm 2) °C	0,7 % rF	
	85 % rF ... < 99 % rF	(23 \pm 2) °C	0,8 % rF	

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