



## 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

ROTRONIC GmbH  
Einsteinstrasse 17 - 23  
D-76275 Ettlingen

Head:

Responsible for MS:

Telephone:

E-Mail:

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Initial accreditation:

Current accreditation:

Scope of accreditation see:

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27.04.1995

31.10.2014 to 30.10.2019

[www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

## Scope of accreditation as of 31.10.2014

### Calibration laboratory for for temperature and humidity

#### Calibration and Measurement Capability (CMC)

| Measured Quantity / Instrument or Gauge | Measurement Range  | Measurement Conditions | Best Measurement Capability $\pm$ <sup>1)</sup> | 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 flourine inert bath | 0,03 °C                                         |         |
| Probes with analogue output             | - 25 °C ... 125 °C | In flourine inert bath | 0,05 °C                                         |         |



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| Measured Quantity / Instrument or Gauge | Measurement Range      | Measurement Conditions          | Best Measurement Capability $\pm$ <sup>1)</sup> | Remarks |
|-----------------------------------------|------------------------|---------------------------------|-------------------------------------------------|---------|
| RELATIVE HUMIDITY                       |                        | <b>AMBIENT TEMPERATURE:</b>     |                                                 |         |
|                                         | 0,5 % rF ... < 20 % rF | (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                                        |         |
|                                         |                        | <b>AIR CONDITIONED BOX ROOM</b> |                                                 |         |
|                                         | 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 $\pm$ <sup>1)</sup> | 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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