



S+S REGELTECHNIK

FÜHLBARE PRÄZISION®

FACTORY CALIBRATION CERTIFICATE

Certificate No. FAXXXXXX-XXXX | 13.08.2018 | schag

1. Calibration object
The calibration object temperature sensor **THERMASGARD** ATF2 PT1000
is a resistant thermometer with passive output.
Technical data as shown in the pertinent operating, mounting & installation instructions.
2. Type
ATF2 PT1000 I Article -No. 1101-1050-5001-000
3. Sensor Type
Used Sensor Type: Pt1000
Accuracy: 0,3°C
4. Serial No.:
FAXXXXXX-XXXX
5. Order Confirmation No.:
XXXXXXXX
6. Customer
Company name
Street
Postcode / town
country code
7. Calibration method
Calibration was performed by comparison of data shown by the calibration object with the
manufacturer's operational standards.
The measurement standards used are based on recognized national measurement standards.

Used standard:
VAISALA HMP 77 SN: G0520001
8. Place of calibration
Calibration was performed in the test bay.
9. Ambient conditions
Temperature: **24°C** ($\pm 2K$); Humidity: **50% r.H.** ($\pm 20\%$); Pressure: **950 mbar** ($\pm 10mbar$)





S+S REGELTECHNIK

FACTORY CALIBRATION CERTIFICATE

Prüf-Nr. FAXXXXXXX-XXXX | 13.08.2018 | schag

FÜHLBARE PRÄZISION®

10. Measurement results

	Climate	Calibration Object	
Cali- bration point	Calibration Parameter	Temperature	
		Setpoint	Actual Value
1	Output:	+1097,4Ω	+1098,5Ω
	value:	+25,00°C	25°C°C
2	Output:	1175,00	1173,33
	value:	45,00°C	45,00°C

The deviations do not exceed the tolerances from final values specified for this device.

11. Measurement conditions

Prior to calibration, it was assured that measured values are plausible.
The actual values of the calibration object relate to the resistance values of the output.
Calibration was performed after the required dwell period of steady conditions.
The measuring point is placed in the middle of the climatic chamber. (± 30cm).
Used humidity control: **psychrometric**

12. Measurement uncertainty

Indicated is the extended measurement uncertainty, which is resulting from the standard measurement uncertainty
by multiplication with the extension factor $K = 2$.
The value of the measurand lies with a probability 95 % within the dedicated value interval.
An allotment for long-term stability is not included here.

13. Certified according to DIN ISO 9001:2008

Certification register No.: TIC 15 100 21333

14. Date of calibration 13.08.2018

Date of recalibration 13.08.2019

15. Tester

