



# Calibration Certificate for Product

Device SN	6785F38372650005
Certificate Generation Date	2025-11-04
Validity of Certificate	2027-11-04

## 1. Calibration

### Process of calibration

The calibration process is conducted under a certified quality system in accordance with ISO 9001. It involves comparisons against certified calibration standards, including reference instruments and materials.

### Calibration standards

Calibration standards are traceable to ISO/IEC 17025 accredited laboratories.

### Traceability

The current calibration can be traced to the following standards:

- ISO/IEC 17025
- national / international standards (equivalent to NIST, UKAS, DAkkS)
- standards based on the international system of units (SI)

### Validity

It is the user's responsibility to adhere to an appropriate period for the recurrence of the calibration.

### Measurement uncertainty

The reported expanded uncertainty of measurement is defined in the Service Description as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which corresponds to an approximate 95% confidence level for a normal distribution. The uncertainty encompasses the standard uncertainty, the calibration process, the measurement conditions, and the uncertainty associated with the device under calibration. As determined through contract review, the reported uncertainty shall not be applied in tolerance assessments.

## 2. Reference Instruments

Name	Model	Range	Accuracy
Temperature and Humidity Calibration Chamber	XLS-III-B2	Temp. -30 to 80°C Hum. 5 to 95%RH	Temp. 5 to 50°C, ±0.1°C -30 to 5°C, 50 to 80°C ±0.2°C Hum. 5% to 95%RH ±0.5%RH
Chilled mirror dew-point hygrometer	OPT 401	Temp. -30 to 90°C Hum. 1.35 to 100%RH	Temp. -30 to 90°C ±0.1°C



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## 3. Measuring Results

Temperature Indicating Value Calibration: (°C)

Calibrating Point	Ref.Value	Indicated	Difference	Allowed Tolerance	Conclusion
25	25.03	25.1	0.07	±0.2	passed

Humidity Indicating Value Calibration: (%RH)

Calibrating Point	Ref.Value	Indicated	Difference	Allowed Tolerance	Conclusion
60	60.68	59	1.68	±3	passed

\*This report remains valid if the product is shipped before the deadline; once the product is shipped and put into use, this report will no longer provide guarantees.

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