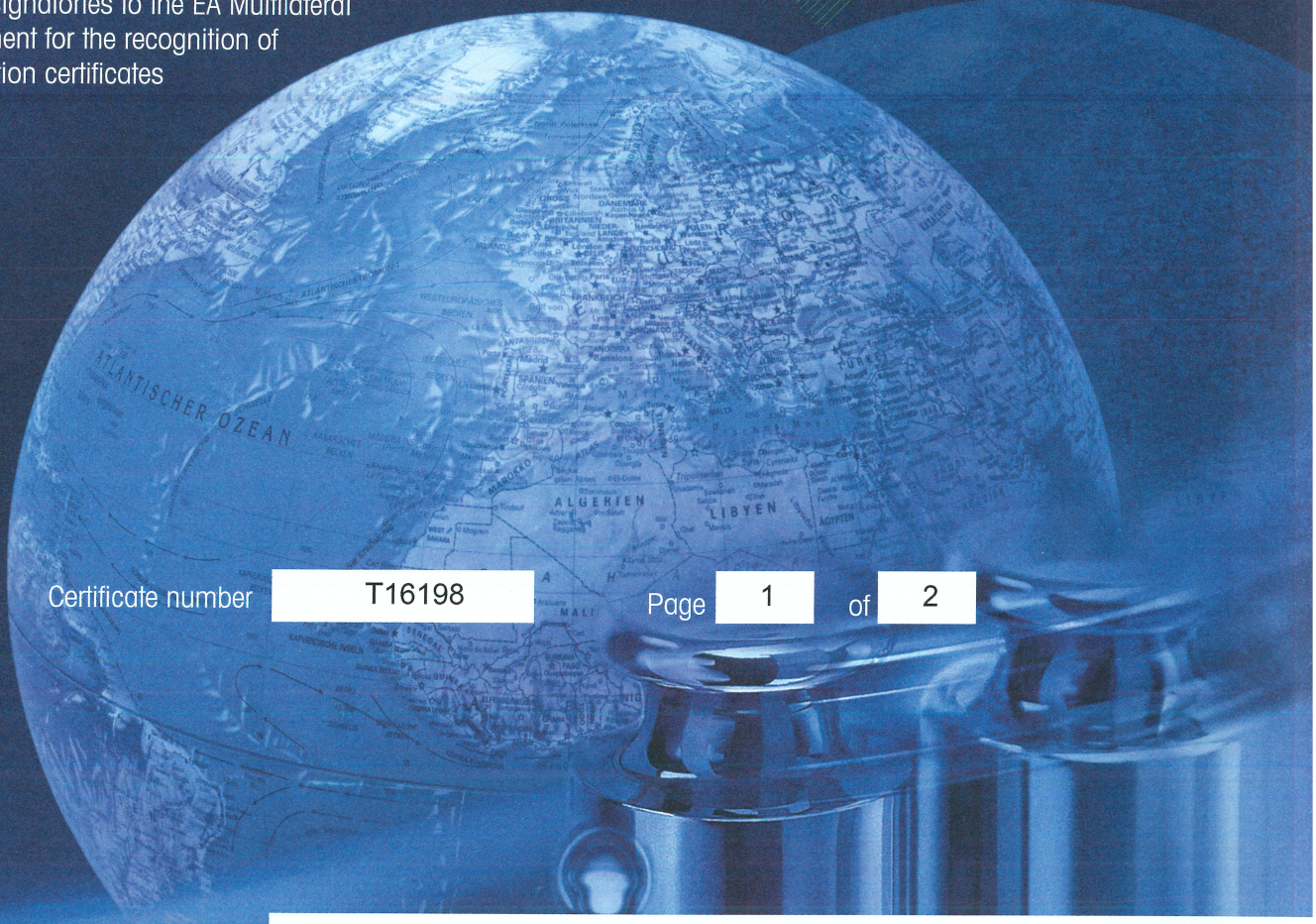
Calibration Certificate

Calibration Laboratory accredited by the Swiss Accreditation Service (SAS) Accreditation number SCS 0032

The Swiss Accreditation Service (SAS) is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

METTLER TOLEDO



Certificate number T16198 Page 1 of 2

Object	Pt1000 temperature sensor
Calibration	Temperature
Manufacturer	METTLER TOLEDO
Customer	Mettler-Toledo Pac Rim AG, TW-114 Taipei
Order number	143838772
Comments	Recalibration
Identification	Serial number TH191

ilac-MRA

METTLER TOLEDO Calibration Service

SWISS ACCREDITATION sas.admin.ch SCS 0032

Measurement results, measurement uncertainties with confidence interval and measurement procedure are listed on the following pages and form part of the certificate.

Calibration Certificate

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Object

Type	Pt1000 temperature sensor
Identification	Serial number TH191
Condition at Calibration	Used

Ambient Conditions

Not relevant.

Calibration Method

The temperature sensor and reference sensor are compared in a climate chamber in an equalizing aluminum block. The resistance of the temperature sensor is measured at different temperatures and converted into a temperature value using standard coefficients (EN 60751).

Result

Ref. Temp. ° C	Indication (Object) ° C	Deviation K	Uncertainty K	Tolerance K	In tol.?
49.9	49.88	-0.02	0.15	± 0.55	yes
100.61	100.46	-0.15	0.15	± 0.8	yes
159.99	160.16	+0.17	0.15	± 1.1	yes

Conformity Statement

The deviation fulfills (or doesn't fulfill) the tolerance limit of EN 60751:2008, class B, as indicated in the last column of the above table.

Remarks

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95%. This calibration certificate documents the traceability to national standards, which realize the physical units of measurement (SI).

Date of the Calibration (YYYY-MM-dd)

2020-02-18

Technical manager Jörg Pacem

Metrologist Esther Blöchlinger

Greifensee 2020-02-20

Mettler-Toledo GmbH, 8606 Greifensee, Switzerland
Calibration lab: Phone +41 44 944 23 15, Fax +41 44 944 34 10
www.mt.com/weights, calibration@mt.com