



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

WEISS TECHNIK NORTH AMERICA, INC.
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 Grand Rapids, MI 49512
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CALIBRATION

Valid To: April 30, 2019

Certificate Number: 1276.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC ² (±)	Comments
DC Voltage – Generate ³ , Fixed Points	110.000 mV 1.100 V 15.00 V	0.9 mV 0.02 V 0.09 V	Fluke 743B CMC is a product of the value of the reading plus the display
DC Resistance – Generate ³	(0 to 10) Ω (10 to 100) Ω (100 to 500) Ω	0.03 Ω 0.096 Ω 0.83 Ω	Fluke 743B CMC is a product of the value of the reading plus the display
DC Current – Generate ³	(0 to 22) mA	0.024 mA	Fluke 743B CMC is a product of the value of the reading plus the display
Electrical Calibration of RTD Indicating Systems ³ – PT385 / 3912 / 3916 – 100 Ω	(-200 to 250) °C	0.3 °C	Fluke 743B

Parameter/Equipment	Range	CMC ² (±)	Comments
Electrical Calibration of Thermocouple Indicating Systems ³ –			
Type T	(-200 to 0) °C (0 to 400) °C	0.5 °C 0.5 °C	Fluke 743B
Type J	(-100 to 1200) °C	0.5 °C	
Type K	(-100 to 1372) °C	0.5 °C	

II. Thermodynamics

Parameter/Equipment	Range	CMC ² (±)	Comments
Relative Humidity – Measure ³	(15 to 95) % RH	3.1 % RH	Vaisala HMI 41/HMP 46
Temperature – Measure ³	(-80 to 0) °C (0 to 200) °C (0 to 760) °C	1.3 °C 0.85 °C 3.1 °C	Thermocouple measuring system Fluke 743B with T, J and K thermocouples

¹ This laboratory offers commercial calibration service and field calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ Field calibration service is available for this calibration and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.



Accredited Laboratory

A2LA has accredited

WEISS TECHNIK NORTH AMERICA, INC.

Grand Rapids, MI

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSLI Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 24th day of May 2017.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1276.01
Valid to April 30, 2019
Revised March 31, 2019

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.