SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CONAX TECHNOLOGIES, LLC
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Buffalo, NY 14225
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CALIBRATION

Valid To: January 31, 2027 Certificate Number: 5928.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 4]:

I. Thermodynamics

Parameter/Equipment	Range	CMC[2] (±)	Comments
Thermocouples[3] –			
Type K	(0 to 400) °C (>400 to 1100) °C (>1100 to 1350) °C	0.0007 °C/°C + 0.42 °C 0.0011 °C/°C + 0.33 °C 0.0028 °C/°C – 1.6 °C	ConCal TC-RTD automated calibration system, Type S standard TC, baths, and furnaces
Type N	(0 to 400) °C (>400 to 1100) °C (>1100 to 1350) °C	0.0007 °C/°C + 0.42 °C 0.0011 °C/°C + 0.33 °C 0.0028 °C/°C – 1.6 °C	
Type R (Wired)	(0 to 500) °C (>500 to 1100) °C (>1100 to 1350) °C	0.45 °C 0.0003 °C/°C + 0.42 °C 0.0033 °C/°C – 2.9 °C	
Type R (Spaced)	(0 to 400) °C (>400 to 1100) °C (>1100 to 1350) °C	0.45 °C 0.0007 °C/°C + 0.26 °C 0.0031 °C/°C – 2.5 °C	
Type S (Wired)	(0 to 500) °C (>500 to 1100) °C (>1100 to 1350) °C	0.45 °C 0.0003 °C/°C + 0.42 °C 0.0033 °C/°C – 2.9 °C	
Type S (Spaced)	(0 to 400) °C (>400 to 1100) °C (>1100 to 1350) °C	0.45 °C 0.0007 °C/°C + 0.26 °C 0.0031 °C/°C – 2.5 °C	

[1] This laboratory offers commercial 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] Wired or spaced refer to how Type S thermocouples are placed in the furnace when test temperature is above 500 °C.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

CONAX TECHNOLOGIES, LLC

Buffalo, NY

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets 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 April 2017*).

Presented this 29th day of October 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5928.01
Valid to January 31, 2027

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