Accredited Laboratory

A2LA has accredited

WEED INSTRUMENT CO., INC. DBA CURTISS-WRIGHT

Round Rock, TX

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 the requirements of 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*).

American Association for Laboratory Accreditation
CORPORATE SEAL 1978
DISTRICT OF COLUMBIA
A2LA

Presented this 31st day of December 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2931.01
Valid to December 31, 2027

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WEED INSTRUMENT CO., INC. DBA
CURTISS-WRIGHT
707 Jeffrey Way
Round Rock, TX 78680
Jacob Sanchez Phone: 512 839 6418

CALIBRATION

Valid To: December 31, 2027 Certificate Number: 2931.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 3]:

I. Thermodynamics

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments
Temperature, RTD's – Measuring Equipment			
Liquid Nitrogen	-196 °C (LN2)	0.20 °C	SPRT Keysight DAQ973A Keysight 34420A
Fluke 7380	(-80 to 0) °C (0 to 100) °C 100 °C	0.020 °C 0.028 °C 0.030 °C	
Ice Bath	0 °C	0.014 °C	
Fluke 6020	(50 to 100) °C (100 to 200) °C	0.017 °C 0.023 °C	
Fluke 6050	(200 to 300) °C (300 to 400) °C (400 to 550) °C	0.022 °C 0.027 °C 0.039 °C	
Fluke 9173	100 °C (100 to 425) °C (425 to 660) °C	0.030 °C 0.085 °C 0.13 °C	

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments
Temperature, Thermocouple – Measuring Equipment			
Type B Thermocouple	(538 to 1093) °C (1093 to 1427) °C (1427 to 1450) °C	0.4 °C 1.6 °C 1.7 °C	Type S or R secondary standard thermocouple and NI PXIE 4353 thermocouple module
Type C Thermocouple	0 °C (38 to 538) °C (538 to 1093) °C (1093 to 1427) °C (1427 to 1450) °C	0.3 °C 0.6 °C 0.8 °C 1.8 °C 1.9 °C	
Type E Thermocouple	-79 °C 0 °C (38 to 538) °C (538 to 871) °C	0.3 °C 0.3 °C 0.6 °C 0.7 °C	Ak20a TC calibrator
Type J Thermocouple	-79 °C 0 °C (38 to 538) °C (538 to 871) °C	0.3 °C 0.3 °C 0.6 °C 0.7 °C	
Type K Thermocouple	-79 °C 0 °C (38 to 538) °C (538 to 1093) °C (1093 to 1260) °C	0.3 °C 0.3 °C 0.6 °C 0.8 °C 1.4 °C	
Type N Thermocouple	-79 °C 0 °C (38 to 538) °C (538 to 1093) °C (1093 to 1260) °C	0.3 °C 0.3 °C 0.6 °C 0.8 °C 1.4 °C	
Type R Thermocouple	0 °C (38 to 538) °C (538 to 1093) °C (1093 to 1427) °C (1427 to 1450) °C	0.4 °C 0.5 °C 0.5 °C 1.6 °C 1.7 °C	
Type S Thermocouple	0 °C (38 to 538) °C (538 to 1093) °C (1093 to 1427) °C (1427 to 1450) °C	0.4 °C 0.6 °C 0.5 °C 1.6 °C 1.7 °C	

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments
Temperature, Thermocouple – Measuring Equipment (Cont)			
Secondary Standard Type S Thermocouple	(38 to 538) °C (538 to 1093) °C (1093 to 1427) °C (1427 to 1450) °C	0.4 °C 0.4 °C 1.6 °C 1.7 °C	Type R primary standard thermocouple and NI PXIE 4353 thermocouple module
Type T Thermocouple	-79 °C 0 °C (38 to 400) °C	0.3 °C 0.3 °C 0.6 °C	

[1] This laboratory offers commercial calibration service.

[2] Calibration and Measurement Capability Uncertainties (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] This scope meets A2LA's *P112 Flexible Scope Policy*.

[4] The stated measured values are determined using the indicated instrument (see Comments). This capability is suitable for the calibration of the devices intended to measure or generate the measured value in the ranges indicated.