



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

JMS SOUTHEAST INC
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Statesville, NC 28677
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CALIBRATION

Valid To: January 31, 2028

Certificate Number: 7272.01

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 (±)	Comments
Thermocouple –			
Type B	(>800 to 1100) °C (>1100 to 1200) °C (>1200 to 1300) °C (>1300 to 1400) °C (>1400 to 1500) °C (>1500 to 1600) °C (>1600 to 1700) °C	0.95 °C 1.3 °C 1.8 °C 2.3 °C 2.7 °C 3.3 °C 3.6 °C	For temperatures below 0 °C, comparison to an SPRT reference is performed. For temperatures above 0 °C to 1450 °C, comparison to a Primary Type S or Type B thermocouple is performed.
Type C	(>0 to 400) °C (>400 to 661) °C (>661 to 1100) °C (>1100 to 1200) °C (>1200 to 1300) °C (>1300 to 1400) °C (>1400 to 1500) °C (>1500 to 1600) °C (>1600 to 1700) °C	0.11 °C 0.092 °C 0.31 °C 1.3 °C 1.8 °C 2.3 °C 2.7 °C 3.3 °C 3.6 °C	For temperatures above 1450 °C, a comparison to a Primary Type B thermocouple is performed.
Type E	-196 °C (>-80 to 0) °C (>0 to 400) °C (>400 to 661) °C (>661 to 870) °C	0.24 °C 0.12 °C 0.11 °C 0.092 °C 0.31 °C	

Parameter/Equipment	Range	CMC ² (±)	Comments
Thermocouples – (cont)			
Type J	(>0 to 400) °C (>400 to 661) °C (>661 to 760) °C	0.11 °C 0.092 °C 0.31 °C	For temperatures below 0 °C, comparison to an SPRT reference is performed.
Type K	-196 °C (>-80 to 0) °C (>0 to 400) °C (>400 to 661) °C (>661 to 1100) °C (>1100 to 1200) °C (>1200 to 1260) °C	0.24 °C 0.12 °C 0.11 °C 0.092 °C 0.31 °C 1.3 °C 1.8 °C	For temperatures above 0 °C to 1450 °C, comparison to a Primary Type S or Type B thermocouple is performed.
Type N	-196 °C (>-80 to 0) °C (>0 to 400) °C (>400 to 661) °C (>661 to 1100) °C (>1100 to 1200) °C (>1200 to 1260) °C	0.24 °C 0.12 °C 0.11 °C 0.092 °C 0.31 °C 1.3 °C 1.8 °C	For temperatures above 1450 °C, a comparison to a Primary Type B thermocouple is performed.
Type R	(>0 to 400) °C (>400 to 661) °C (>661 to 1100) °C (>1100 to 1200) °C (>1200 to 1300) °C (>1300 to 1400) °C (>1400 to 1450) °C	0.11 °C 0.092 °C 0.31 °C 1.3 °C 1.8 °C 2.3 °C 2.7 °C	
Type S	(>0 to 400) °C (>400 to 661) °C (>661 to 1100) °C (>1100 to 1200) °C (>1200 to 1300) °C (>1300 to 1400) °C (>1400 to 1450) °C	0.11 °C 0.092 °C 0.31 °C 1.3 °C 1.8 °C 2.3 °C 2.7 °C	
Type T	-196 °C (>-80 to 0) °C (>0 to 400) °C	0.24 °C 0.12 °C 0.11 °C	

Parameter/Equipment	Range	CMC ² (±)	Comments
RTDs	0 °C	0.0067 °C	By comparison
	0.01 °C	0.004 °C	Ice bath
	-196 °C	0.017 °C	TPW
	(>-80 to 100) °C	0.018 °C	SPRT reference
	(>100 to 400) °C	0.029 °C	
	(>400 to 661) °C	0.043 °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 This scope meets A2LA's *PI12 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

JMS SOUTHEAST INC

Statesville, NC

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 8th day of December 2025.

A blue ink signature of Trace McInturff.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7272.01
Valid to January 31, 2028

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