



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**Pyrometer Equipment Company, Inc.**  
**15 Lance Road**  
**Lebanon, NJ 08833**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 14 October 2023

Certificate Number: L2124-1



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Pyrometer Equipment Company, Inc.**

15 Lance Road  
Lebanon, NJ 08833  
Stephen Bugglin 201-998-0904

**CALIBRATION**

Valid to: **October 14, 2023**

Certificate Number: **L2124-1**

**Electrical – DC/Low Frequency**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
DC Current Source	(0 to 100) mA	17 $\mu$ A	Fluke 5520A Multiproduct Calibrator
DC Voltage Source	(0 to 100) mV (0.1 to 100) V	0.002 9 $\mu$ V 2 mV	Fluke 5520A Multiproduct Calibrator
Thermocouple Temperature Simulation Source & Measure	Type K (-328 to 2 500) °F	0.88 °F	Fluke 5520A Multiproduct Calibrator
	Type J (-346 to 2 192) °F	0.45 °F	
	Type N (0 to 2 370) °F	0.64 °F	
	Type T (-418 to 752) °F	1.4 °F	
	Type R (0 to 3 200) °F	1.6 °F	
	Type S (0 to 3 200) °F	1.5 °F	

**Electrical – DC/Low Frequency**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Thermocouple Temperature Indicators <sup>1</sup> Measure	Type K (-328 to 2 500) °F	1 °F	Calibrations performed with a Universal Thermocouple Calibrator per AMS 2750F & BAC 5621L
	Type J (-328 to 2 192) °F	0.62 °F	
	Type N (0 to 2 370) °F	0.77 °F	
	Type T (-328 to 752) °F	1.5 °F	
	Type R (0 to 3 200) °F	2 °F	
	Type S (0 to 3 200) °F	2 °F	
Resistance Source	(0 to 10) Ω	0.087 Ω	Process Calibrator
	(10 to 100) Ω	0.14 Ω	
	(100 to 1 000) Ω	1.3 Ω	

**Thermodynamic**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature Uniformity Surveys <sup>2</sup>	Type K (100 to 2 000) °F	1.9 °F	Universal Multi-Point Recorder and Test Thermocouples as per ASM 2750F & BAC 5621L
	(2 000 to 2 250) °F	3.6 °F	
	Type J (100 to 1 000) °F	1.5 °F	
	(1 000 to 1 600) °F	1.5 °F	
	Type N (200 to 2 000) °F	1.5 °F	
	(2 000 to 2 250) °F	3.4 °F	
	Type T (-300 to 300) °F	2.2 °F	

**Thermodynamic**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature System Accuracy Tests <sup>2</sup>	Type K (100 to 2 000) °F	1.7 °F	Universal Calibrator and Test Thermocouple per AMS 2750F & BAC 5621L
	(2 000 to 2 250) °F	3.5 °F	
	Type J (100 to 1 600) °F	1.5 °F	
	Type N (200 to 2 000) °F	1.6 °F	
	(2 000 to 2 250) °F	3.5 °F	
Type T (-300 to 32) °F	2.1 °F		
(32 to 400) °F	2 °F		

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. Calibrations services are only available on-site for this parameter.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2124-1.



R. Douglas Leonard Jr., VP, PILR SBU

