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.

Jason Stine, Vice President

Expiry Date: 14 October 2026
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 908-439-3880

CALIBRATION

Valid to: **October 14, 2026** 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	4.7 µA	Multiproduct Calibrator
DC Voltage – Source	(0 to 100) mV (0.1 to 100) V	7.2 µV 4.7 mV	Multiproduct Calibrator
Thermocouple Temperature Simulation – Source/Measure (Laboratory)	Type E (-328 to 1 832) °F Type J (-346 to 2 192) °F Type K (-418 to -148) °F (-148 to 2 500) °F Type N (0 to 2 372) °F Type R (0 to 3 200) °F Type S (0 to 3 200) °F Type T (-418 to 752) °F	 0.65 °F 0.42 °F 0.46 °F 0.36 °F 0.53 °F 1.3 °F 1.4 °F 0.7 °F	Multiproduct Calibrator

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Thermocouple Temperature Instrumentation – Source/Measure [1] (On-site/Field)	Type E (-328 to 1 832) °F Type J (-328 to 2 192) °F Type K (-328 to 2 500) °F Type N (0 to 2 370) °F Type R (0 to 3 200) °F Type S (0 to 3 200) °F Type T (-328 to 752) °F	0.69 °F 0.57 °F 0.54 °F 0.67 °F 1.8 °F 1.9 °F 0.81 °F	Calibrations performed with a Universal Thermocouple Calibrator per the latest revisions of AMS 2750 and BAC 5621L.
Resistance Source	(0 to 10) Ω (10 to 100) Ω (100 to 1 000) Ω	66 mΩ 66 mΩ 0.36 Ω	Process Calibrator

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature Uniformity Surveys [2]	Type J (100 to 1 000) °F (1 000 to 1 600) °F Type K (100 to 2 000) °F (2 000 to 2 250) °F Type N (200 to 2 000) °F (2 000 to 2 250) °F Type T (-300 to 300) °F	1.5 °F 1.5 °F 1.8 °F 3.6 °F 1.6 °F 3.4 °F 2.2 °F	Universal Multi-Point Data Logger and Test Thermocouples per the latest revisions of AMS 2750 and BAC 5621.

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature System Accuracy Tests [2]	Type J (100 to 1 600) °F Type K (100 to 2 000) °F (2 000 to 2 250) °F Type N (200 to 2 000) °F (2 000 to 2 250) °F Type T (-300 to 32) °F (32 to 400) °F	 1.1 °F 1.1 °F 3.3 °F 1.2 °F 3.3 °F 1.4 °F 1.2 °F	Universal Thermocouple Calibrator and Test Thermocouple per the Latest revisions of AMS 2750 and BAC 5621.

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. Please refer to Footnote 1 about measurement uncertainties on-site.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2124-1.

Jason Stine, Vice President