



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Pyrometer Equipment Company, Inc.

15 Lance Road

Lebanon, NJ 08833

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

L2124-1
Certificate Number


ANAB Approval

Certificate Valid: 10/10/2017-10/14/2020
Version No. 001 Issued: 10/10/2017



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

Pyrometer Equipment Company, Inc.

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

CALIBRATION

Valid to: **October 14, 2020**

Certificate Number: **L2124-1**

Electrical – DC/Low Frequency

| Parameter/Equipment | Range | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method, and/or Equipment |
|--|------------------------------|---|---|
| Thermocouple Temperature Simulation | Type K (-328 to 2 500) °F | 1.2°F | Fluke 5520A |
| | Type J (-346 to 2 192) °F | 0.8°F | |
| | Type N (0 to 2 370) °F | 0.8°F | |
| | Type T (-418 to 752) °F | 1.7°F | |
| | Type R (0 to 3 200) °F | 1.7°F | |
| | Type S (0 to 3 200) °F | 1.4°F | |
| | Type S (0 to 3 200) °F | 1.4°F | |
| Thermocouple Temperature Indicators ¹ | Type K (-328 to 2 500) °F | 0.86°F | Calibrations performed with a Universal Thermocouple Calibrator per AMS 2750E & BAC 5621K |
| | Type J (-328 to 2 192) °F | 0.6°F | |
| | Type N (0 to 2 370) °F | 0.6°F | |
| | Type T (-328 to 752) °F | 1.4°F | |
| | Type R (0 to 3 200) °F | 1.2°F | |
| | Type S (0 to 3 200) °F | 1°F | |
| | Type S (0 to 3 200) °F | 1°F | |
| DC Volts | (0 to 330) mV | 8.8 μV | Fluke 5520A |
| | (0 to 33) V | 0.48 mV | |
| | (33 to 330) V | 7 mV | |

Thermodynamic

| Parameter/Equipment | Range | Expanded Uncertainty of Measurement (+/-) | Reference Standard, Method, and/or Equipment |
|--|-----------------------------|---|--|
| Temperature Uniformity Surveys ² | Type K (100 to 2 000) °F | 1.7 °F | Universal Multi-Point Recorder and Test Thermocouples as per ASM 2750E & BAC 5621K |
| | (2 000 to 2 250) °F | 3.5 °F | |
| | Type J (100 to 1 000) °F | 2.1 °F | |
| | (1 000 to 1 600) °F | 2.2 °F | |
| | Type N (200 to 2 000) °F | 1.4 °F | |
| (2 000 to 2 250) °F | 3.4 °F | | |
| Type T (-300 to 300) °F | 1.7 °F | | |
| Temperature System Accuracy Tests ² | Type K (100 to 2 000) °F | 2.1 °F | Universal Calibrator and Test Thermocouple per AMS 2750E & BAC 5621K |
| | (2 000 to 2 250) °F | 3.3 °F | |
| | Type J (100 to 1 000) °F | 2.1 °F | |
| | (1 000 to 1 600) °F | 2.2 °F | |
| | Type N (200 to 2 000) °F | 1.3 °F | |
| (2 000 to 2 250) °F | 3.3 °F | | |
| Type T (-300 to 500) °F | 1.3 °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.



Vice President

