



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

TE WIRE & CABLE
107 North Fifth Street
Saddle Brook, NJ 07663
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CALIBRATION

Valid To: January 31, 2025

Certificate Number: 2792.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Thermodynamics

| Parameter/Equipment | Range | CMC ² (±) | Comments |
|----------------------------|-------------------|----------------------|--|
| Thermocouple Calibration – | | | ASTM-E220 |
| Type B | (0 to 1400) °C | 2.0 °C | Comparison to: Reference thermocouple |
| Type E | (-196 to 0) °C | 0.50 °C | SPRT |
| | (0 to 38) °C | 0.20 °C | |
| | (38 to 350) °C | 0.40 °C | |
| | (350 to 1000) °C | 0.8 °C | Reference thermocouple |
| Type J | (-196 to 0) °C | 0.50 °C | SPRT |
| | (0 to 38) °C | 0.22 °C | |
| | (38 to 350) °C | 0.41 °C | |
| | (350 to 760) °C | 0.8 °C | Reference thermocouple |
| Type K & N | (-196 to 0) °C | 0.50 °C | SPRT |
| | (0 to 38) °C | 0.23 °C | |
| | (38 to 350) °C | 0.41 °C | |
| | (350 to 1100) °C | 0.8 °C | Reference thermocouple |
| | (1100 to 1400) °C | 1.9 °C | |

| Parameter/Equipment | Range | CMC ² (±) | Comments |
|-----------------------------------|---|--|--|
| Thermocouple Calibration – (cont) | | | ASTM-E220 |
| Type R & S | (0 to 350) °C (350 to 1100) °C (1100 to 1400) °C | 0.5 °C 0.6 °C 1.8 °C | Comparison to: Reference thermocouple |
| Type T | (-196 to 0) °C (0 to 38) °C (38 to 350) °C (350 to 400) °C | 0.50 °C 0.20 °C 0.40 °C 0.50 °C | SPRT Reference thermocouple |

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.



Accredited Laboratory

A2LA has accredited

TE WIRE & CABLE

Saddle Brook, NJ

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 ANSI/NCSL Z540-1-1994 and 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 17th day of January 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2792.01
Valid to January 31, 2025

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