

Equipment Calibrations



www.thermalproductsolutions.com

TPS NIST Calibration Services

Thermal Product Solutions LLC (TPS) rounds out our total service packages with the ability to provide complete Calibration Services that include NIST Calibration Certificates.

ISO17025 Accreditation from A2LA

TPS is accredited with the American Association of Laboratory Accreditation for having demonstrated a technical competence for a defined scope and the operation of a laboratory quality management system. TPS's testing and calibration laboratory is accredited in accordance with the recognized international standard ISO/IEC 17025:2005 General Requirements for the competence of testing and calibration laboratories and also meets the requirements of ANSI/NCSLI Z540-1-1994 and any additional program requirements in the field of calibration. The accreditation provides customers of TPS with the confidence that the equipment calibrations they receive from TPS are accurate, audited, and maintained in a manner consistent with ISO standards.



Why choose an accredited calibration over a NIST traceable calibration?

Being NIST traceable simply means that the equipment being used to calibrate customer's equipment is traceable to NIST standards, but an A2LA accreditation means a bit more. A2LA is an accreditation body that accredits outside laboratories to numerous standards, specifically ISO 17020, 17043, 17065, and 17025. Thermal Product Solutions is accredited by A2LA to ISO 17025 standards which means not only is TPS equipment NIST traceable, but also the methods we use comply with ISO 17025 standards. Thus, an A2LA accreditation is always NIST traceable, but NIST traceable calibrations are not always A2LA certified calibrations. Customers can also rest assured that by having an A2LA accredited calibration they are receiving a product that has a fully implemented quality system that reviews every detail of every service performed.

A2LA Scope of Accreditation

A2LA Accreditation demonstrates an organization's competence to manage and perform the activities defined by its A2LA Scope of Accreditation (A2LA Certificate 3782.01). These activities include:

- **Generate:** 0-11V, 0-500Ω, 0-22mA, -200 to 250°C RTD (100Ω, Pt 385)
- **Sourcing Thermocouples:** Type T (-200 to 400°C), Type J (-100 to 800°C), and Type K (-100 to 1372°C)
- **Measure:** 10-95% Relative Humidity, -80 to 710°C
- Scope Can Be Expanded to Meet Customer Needs

ISO Standards

ISO/IEC 17025:2005 is the primary ISO standard used by testing and calibration laboratories to develop their management systems for quality, administrative operations, and technical operations. Laboratory customers, regulatory authorities, and accreditation bodies also rely on the standard to confirm or recognize a laboratory's competence in the accredited areas. It includes both management and technical specifications.

ABOUT A2LA

A2LA is the largest U.S.-based, multi-discipline accreditation body with over 35 years of experience providing internationally recognized accreditation services and quality training. A2LA's world-class accreditation services encompass testing and calibration laboratories, medical testing laboratories, inspection bodies, proficiency testing providers, reference material producers and product certification bodies. Organizations are accredited to international standards and field-specific requirements developed with government and industry collaboration. A2LA also offers a wide variety of both public and private on-site training programs to complement the various accreditation programs.