

Calibration Services to Ensure the Accuracy of Your Equipment

One-stop shop for all your Test & Measurement Equipment needs!

For more than thirty years, Tra-Cal has provided quality calibration services for electrical test and measurement equipment. Tra-Cal calibrates a broad range of electrical and physical dimensional test and measurement equipment accredited and/or certified in compliance with ISO-17025, ANSI Z540-1 and Z540.3.

Radio Frequency (RF) Microwave

Tra-Cal calibrates a broad range of radio frequency and microwave (high frequency) electrical equipment utilized for measurement, design, and testing, with a capability range of DC up to 110 GHz, including:

- Attenuators
- Frequency Counters and Amplifiers
- Power Meters and Sensors
- Signal Generators
- Spectrum Analyzers
- Network Analyzers

Electrical

We provide electrical calibration services including:

- Capacitance Calibration
- Thermocouple Calibration
- Voltage Calibration

Cables and Connectors

Tra-Cal calibrates a broad range of cables and connectors including:

- Cables and Connectors Verification (Calibration and Testing Services)

Optical Test Equipment* **NEW!**

Tra-Cal calibrates a broad range of optical test equipment. We have been providing standard calibration services for years. Now, we are ISO 17025:2017 Z540-1 and Z540.3 Accredited for Optical Calibration Services!

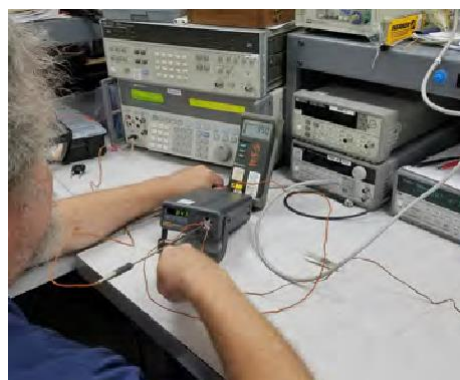
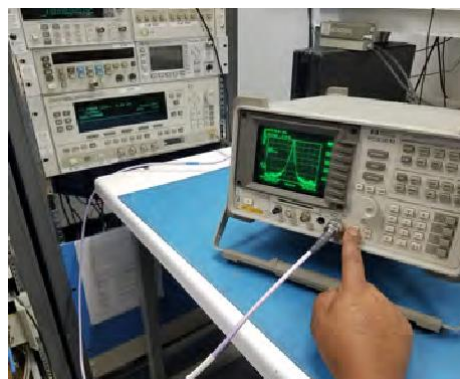
Examples of optical equipment we calibrate include:

- Optical Power Meters
- Optical Spectrum Analyzers
- Optical Light Sources
- Optical Attenuators
- Optical Time Domain Reflectometers
- Wavelength Meters

Temperature Calibrations

We provide temperature calibration services for a broad range of thermometers including:

- Bimetal and dial thermometers
- Environmental Chambers
- Liquid-in-glass thermometers
- Thermocouples
- Resistance temperature detectors



Our lab is ISO/IEC 17025:2017 Accredited by the ANSI-ASQ National Accreditation Board (ANAB), ANSI Z540-1 & .3 accredited, MILSTD 45662 compliant, and ISO 9000/9001 compliant.



Mechanical & Physical Dimensional Measurement Tools

Tra-Cal calibrates a broad range of mechanical measurement tools and equipment:

- Manual tools (calipers, dynamometric wrenches and screwdrivers, torque wrenches, etc.)
- Powered mechanical measurement tools (electric, pneumatics, hydraulic)
- Mechanical measurement meters
- Weight Scales
- Test benched (meters linked to a display)

Test and Measurement Services

We provide the following services for test and measurement equipment:

- In-Lab and Onsite Calibration
- Asset Management
- Precision Metrology
- Independent Lab and Field Testing
- Used Test Equipment Refurbishing
- Test Solutions and Accessories
- Test Engineering and Applications
- **Repair (including obsolete equipment!)**

Calibration Certifications

All Equipment is returned with a NIST-Traceable certification. Calibration services available:

- ANSI Z540 Standard without data
- ANSI Z540-1 with as-found & as-left data
- ISO/IEC 17025:2017 with data & uncertainties
- ANSI Z540.3 with data & uncertainties and Guardbanding

Support Services

- Instrument Cleaning
- Safety Checks
- Battery and Fuse Replacements
- Asset Preservation and Maintenance
- Local Pickup and Delivery (DC Metro area)

Advantages of Selecting Tra-Cal's Calibration Services

- Meet the highest national standards of the US Navy, NASA, and government agencies.
- Provide repeatable accuracy, saving time, money, materials, and labor.
- Calibrating your precision test and measurement instruments is the easiest way to avoid errors.
- We take extra measures to ensure that our standard calibration is always one step above our competition.
- We will never perform a minimum random-point calibration.
- We calibrate to 100% of manufacturer's specifications.
- Meet regulatory compliance requirements.
- Prevent costly recalls and damage to your company's reputation.
- Reduce the risk of products failing in service.
- Save money from warranty and rework costs.

Contact us to get a free quote on our Calibration Services today!



Contact Us Today to
Learn More About Our
Calibration Services!

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