Vulcan Electric offers precision temperature sensor calibration services for Semiconductor Wafer Fabs, Mil-Aero and High Accuracy Industrial applications. Our state of the art laboratory is comprised of several technically advanced calibration systems designed to ensure the most accurate sensor calibrations available. Equipment includes custom fluidized bed calibration furnaces with precision data acquisition systems, vacuum and inert gas furnaces, and cryogenic systems. Our Sensor Calibration Services run the gamut from RTDs at sub-zero temperatures to Thermocouples at ultra-high temperatures. Calibrations are accomplished within a Quality Management System structured and operated in accordance with ISO 17025:2005 and registered to ISO 9001:2008 certificate number 9351QM8001 issued by ISOQAR. Calibrations are performed in accordance with ASTM E 220-07a, ASTM E 230-03 and AMS 2750 and are traceable to the National Institute of Standards and Technology (NIST). In conjunction with calibration services, Vulcan Electric offers several sensor management programs that can be tailored to specific customer requirements and provide the most cost effective solution.

**Temperature Calibration Services**
- Base Metal and Precious Metal Thermocouples
- RTD Sensor Probes and Assemblies
- Calibration Range of -196°C to 1700°C (-321°F to 3092°F)
- Calibrations Performed in Vacuum - Inert Gas Furnace
- Calibration Reports Provided in Several Mode Options
- Additional Services Available in Conjunction with Calibration

**Features**
- Fluidized Bed Calibration System for Precious Metal Types
- Vacuum - Inert Gas Calibrations for Tungsten/Rhenium Alloys
- Structured and Operated in Accordance with ISO 17025:2005
- Certified to ISO 9001:2008 - Certification # 9351QM8001
- ASTM E 220-07a, ASTM E 230-03 and AMS 2750 Standards
- Certifications Traceable to NIST Standards

**Benefits**
- Highest Accuracy Calibrations
- On-Line 24/7 Access to Customer Calibration Test Data
- One Source for Calibration and Refurbishment
- Provide Additional Calibration Report on As-Received Sensors
- Services Available with Considerable Savings Potential
- Complete Range of Services and Sensor Products

**Application Examples**
- Semiconductor Wafer Fabs - Profile Thermocouples
- Mil- Aerospace Sensor Calibrations
- Critical Heat Treating Processes
- Advanced Composites Process Control
- Precision Pharmaceutical Process Measurements
- Crystal Growth Temperature Control Accuracy