



Metrology Laboratory

INSCO Metrology is a Metrology Laboratory which has been providing **Calibration Services** and standard for physical and electronic measurements for more than 22 years. Located in Miami Florida INSCO services are supported by decades of technical experience in industrial and technology applications since 1988. Our modern laboratory provides services in mass, temperature, flow, humidity, pressure, volume, electrical, current, resistance and frequency.

Our temperature metrology department covers temperature from -196°C to 1200°C conforming to ITS-90 with uncertainties as low as 0.0016°C . All **calibrations** and **traceable** to National Institute of Standard and Technology (**NIST**) and the laboratory is Accredited Program (**NVLAP**) for the specific Scope of Accreditation 200508-0. INSCO technicians have more than 22 year experience in the field. To maintain the necessary skill, the technicians receive NIST training or other specialized equipment training as required.

Equipped with several of the most accurate primary standard available, our laboratory is capable of calibrating **SPRTs**, **PRTs**, **thermistors**, **thermocouples**, **RTD**, **IRTD** and **thermocouple readouts**, **data loggers** and other **temperature readout instruments**. We also specialize in glass **thermometer** to comply with ITS-90 and ASTM.

We provide state-of-the-art **calibration services** for industries, businesses and other group that required accurate measurements. Our laboratory is regularly upgrade and extended to take account of developments in measurement technology to meet the changing demands of customers.

Our calibration services turnaround time is less than ten (10) days.

Some of our temperature standards are:

- Bridge F-18 (The most accurate instrument in the market use by NIST, CENAM, PTB and other national Laboratories)
- Primary water triple point cell.
- Primary Fixed point cell: mercury, indium, tin, zinc, and aluminum for primary standard calibration.
- **Liquid Metrology bath, Dry block metrology well** for comparison calibration in the range of -196°C to 1200°C .
- SPRT series 162 standard, Primary thermocouple for high temperature calibration up to 1200°C
- Several 8 ½ digit multimeters and other monitoring standards

