



TEMPERATURE MEASUREMENT AND CALIBRATION STANDARDS SEMINAR

This course is to cover theoretical aspects of establishing industrial, secondary and primary temperature measurement and calibration standards. The topics listed below will each be covered in a general overview suitable for those new to temperature calibration as well as experienced calibration engineers.

Temperature Fundamentals

An introduction to temperature scales, ITS-90 and its definitions, defining traceability, uncertainty, accuracy and other terminology.

Thermal Calibration Technology & Equipment

Portable metal block calibrators, liquid bath technology, black body sources, fixed point cells, sensors and measurement systems.

Calibration Methods and Common Errors

Why do we need to calibrate?

Methods of calibration, sources of error, stabilities & drift, lag & settling errors, immersion errors, self-heating and thermal effects.

10 Secrets to Successful Temperature Calibration