

CT004

PRACTICAL TEMPERATURE MEASUREMENT & CALIBRATION

The training course is intended for professionals who are responsible for the calibration of temperature measuring instruments and standards. The emphasis is on the practical aspects of temperature measurement and calibration.

The course provides the knowledge and expertise for those who use temperature measuring devices or require an appreciation of the importance of measurement, calibration and the use of temperature instruments and standards in the performance of their daily tasks.

COURSE CONTENT

- Principles of Temperature Measurement and Calibration
- Temperature Units, terminology, traceability and standards
- Thermometer Types: Thermocouples, Liquid in Glass thermometers, Platinum Resistance Thermometers and Thermistors
- Accuracy of Thermometers
- Temperature Mediums: Liquid Baths, Dry Blocks, Ovens
- Thermometer usage, selection and application - Sources of errors
- In-house calibration methods i.e. profiles in ovens

Tuition will consist of classroom work, exercises and practical sessions.

DATES:

13th May 2010

23rd September 2010

DURATION:

1 day

VENUE:

NML or in-company by arrangement

FEE:

€480 (including documentation, lunch and refreshments)