

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:

18th May 2011 /
20th October 2011

DURATION:

1 day

VENUE:

NML or in-company
by arrangement

FEE:

€480 (including
documentation,
lunch and
refreshments)