

CT003 PRACTICAL DIMENSIONAL CALIBRATION

DATES:

14th April 2011 /
13th October 2011

DURATION:

1 day

VENUE:

NML or in-company
by arrangement

FEE:

€480 (including
documentation,
lunch and
refreshments)

This training course is intended for professionals who make dimensional measurements on components and for people who are responsible for the calibration of dimensional measuring instruments. The emphasis of this training course is on the practical aspects of dimensional measurement and calibration.

This course provides the knowledge and expertise for people who use measurement tools or require an appreciation of the importance of measurement, calibration and the use of dimensional measurement techniques to complete their daily tasks.

COURSE CONTENT

- Principles of Measurement and Calibration
- Dimensional units, traceability, and standards
- Uncertainty of Measurement
- Specifications and tolerances - interpretation of BS/ISO Specifications
- Usage, storage and handling of dimensional standards and artefacts
- Calibration of calipers, micrometers and dial gauges
- Use of gauge blocks in dimensional calibration
- Recording calibration results and reviewing calibration certificates
- Error avoidance tactics for dimensional measurements

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