



TESTING TEMPERATURE CONTROLLED ENCLOSURES

This one day course is directed at staff involved in routine performance testing of temperature controlled enclosures (oven, furnace, refrigerator and fluid bath). It incorporates an extensive overview of AS2853 requirements and common industry practice and it also includes hands-on practical demonstrations.

Course Objectives

The workshop provides participants with the knowledge and skills to:

- to understand measurement traceability concept
- to understand the fundamental principles of enclosure testing
- to identify and minimise various sources of error that arise during oven measurements

Course Outline

The topics covered include:

- temperature measurement traceability
- thermocouple basics and selection criteria
- test requirements
- test methodology
- performance assessment
- enclosures grading interpretation
- test documentation requirements
- sources of error that affect temperature measurements
- measurement uncertainty analysis¹



¹Participants with limited experience in estimating measurement uncertainty would benefit from first attending the one-day Introduction to Estimating Measurement Uncertainty course.

Past attendees have said...

“Now I have a better understanding of the topic I can provide a better quality service”

“The uncertainty calculations explained and the formulas provided were most valuable”

Course Details

Dates / Venue

Available dates are on our [website](#) and the venue is NMI Lindfield (Sydney), 36 Bradfield Rd

Fee / Inclusions

Check the NMI [website](#) for the current price which includes lunch, refreshments and a copy of Monograph 5: Thermocouples in temperature measurement.

Time

The course will start at 9 am and will finish by 5 pm.

Related courses

Course name	Duration	Dates
Introduction to Estimating Measurement Uncertainty	1-day	See NMI website
Temperature measurement	3-day	See NMI website
Humidity measurement	1-day	See NMI website

In-house Options

Training may be carried out at your premises for groups of 6+ on a fee for service basis. Consultancies provide advice regarding specific measurement issues or training in advanced measurement techniques. More information is found on our [website](#).

Contact us

Phone (02) 8467 3796, or send an email to training@measurement.gov.au. For more information about NMI and our services, visit our website at www.measurement.gov.au