



PRESSURE MEASUREMENT

This two-day course covers essential knowledge of the calibration and use of a wide range of pressure measuring instruments, their principles of operation and potential sources of error – it incorporates extensive hands-on practical exercises.

Course Objectives

The workshop provides participants with the knowledge and skills to:

- to understand the principles of operation of a variety of pressure measuring instruments
- to understand the processes involved in the use and calibration of pressure equipment
- to identify the various sources of error that affect pressure measurements

Course Outline

The topics covered include:

- introduction to pressure measurement
- traceability and international standards
- vacuum pressure measurement
- pressure transducers and calibrators
- barometry, manometry and liquid columns
- differential and gauge pressure measurement
- the piston gauge and its use
- high pressure
- estimating measurement uncertainty¹
- the use of uncertainties given in NATA-endorsed reports



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...

“After attending this course, I now have the understanding to calibrate with confidence.”

“We are now a lot closer to NATA accreditation.”

Course Details

Dates / Venue

Available dates are on our [website](#) and the venue is either NMI Lindfield (Sydney), 36 Bradfield Rd, or NMI Port Melbourne, Unit 1/153 Bertie Street.

Fee / Inclusions

Check the NMI [website](#) for the current price which includes lunch, refreshments and a copy of Monograph 7: Pressure 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
Humidity measurement	1-day	See NMI website
Calibration of liquid hydrocarbon flowmeters	2-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