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 uncertainty
- the use of uncertainties given in NATA-endorsed reports

\(^1\)Participants 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

<table>
<thead>
<tr>
<th>Course name</th>
<th>Duration</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Estimating Measurement Uncertainty</td>
<td>1-day</td>
<td>See NMI website</td>
</tr>
<tr>
<td>Humidity measurement</td>
<td>1-day</td>
<td>See NMI website</td>
</tr>
<tr>
<td>Calibration of liquid hydrocarbon flowmeters</td>
<td>2-day</td>
<td>See NMI website</td>
</tr>
</tbody>
</table>

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