



Calibration and Control of Measuring Systems

Discover how to establish an effective system for the control of inspection and measuring equipment on our Calibration and Control of Measuring Systems training course.

This 1-day practical course is based on the requirements of ISO/IEC 17025, and covers topics such as 'calibration concepts', 'out of tolerance conditions' and 'measurement uncertainty'. Interactive workshops encourage discussion around how to identify opportunities for improved quality of data and optimise the calibration processes within an organisation.

At the end of the workshop, students will have gained up-to-date knowledge and skills for:

- identifying the elements of an effective calibration system
- understanding the requirements for those supplying calibration services
- preparing for compliance, and improving and utilising measurement data focusing on continuous improvement and cost reduction

COURSE DURATION

1 day

CPD

Equivalent to 7 hours

COURSE PRICE

From £675 + VAT

DATES & VENUES

[View dates & venues](#)

CERTIFICATES

All delegates will receive a certificate on completion.

Who should attend?

This course is suitable for:

- those who manage, utilise or control calibration systems
- quality managers and engineers
- department managers
- calibration managers and technicians
- assessors of calibration systems

Students booking on this course will derive the most benefit if they have a basic knowledge of maths and statistical techniques, although this is not essential.

Key topics

Topics covered on the course include:

- calibration concepts: traceability, capability, reliability, uncertainty, repeatability and reproducibility
- quality and calibration system documentation and record requirements (ISO 10012, 9001 and GAMP)
- what to calibrate
- validation of software used in measurement
- optimisation of calibration intervals, calibration status and recall
- environmental controls and equipment handling
- out of tolerance conditions
- introduction to measurement uncertainty and measurement systems analysis
- use of external laboratories and purchasing specifications
- other resources/sources of information

Skills gained

By the end of this course, delegates will be able to:

- develop a structured documented calibration system, including the process for identifying what needs calibrating, frequency and by whom
- identify requirements for and maintenance of calibration records
- identify opportunities for improved quality of data and optimise the calibration processes



A certificate of completion will be awarded to delegates who complete all elements of the course.

Course agenda

Our training courses are designed to optimise the learning experience for delegates both in face-to-face settings and in our Virtual Classroom.

Under the guidance of our expert tutors, attendees will follow an agenda which is briefly outlined below:

- Welcome and Introduction
- Calibration Concepts
- Workshop: Traceability
- Workshop: Variation
- Quality System Standard Requirements
- Workshop: What Needs Calibrating?
- Quality and Calibration System Documentation and Records
- Use of External Laboratories and Purchasing Specifications
- Workshop: Certificates
- Measurement Uncertainty and Gauge R&R Studies
- Summary & Course Evaluation

In-company training

Ideal for groups, you can receive this course exclusively for your organisation at your premises or online in our user-friendly Virtual Classroom.

Enjoy cost-effective flexibility and personalised learning with tailored messaging designed to address your unique business challenges.

[Contact us for a quote.](#)

“The course has already help me understand the requirements needed and put them in practice to get the certification required to prove to our customers that our equipment if calibrated and verified to the correct standards.”

JDR Cable Systems Ltd

“The course content is great. The tutor explained everything very well and made it interesting and easy to follow, keeping us engaged during the whole session.”

Immunocore

“It was a great course, really helpful. It certainly helped me appreciate the depth of measurement and accuracy more. The workbook we have for it will be a very useful tool to refer back to. Great tutor, very engaging and full of encouragement without being too pushy. He made the learning experience very enjoyable.”

Becton Dickinson

[Read our ISO 17025 course reviews](#)

Why train with Bywater?

Bywater is the leading independent provider of professional management systems training in the UK.

Our expert training offers practical understanding of how to realise the benefits and assess the success of implementing and operating successful management systems.

Bywater delegates know they can rely on proven training delivered by experts at times and locations to suit their needs.

40 years established

100+ course titles

15 UK locations

1000+ courses annually



Global Virtual Classroom

CQI & IRCA, ISEP, RSS and IOSH approved training provider.



VIEW DATES & VENUES

Booking is easy

Simply select a course date and venue and fill in the online form. View our full range of courses at www.bywater.co.uk

If you have any questions please call us on 0333 123 9001, use our online chat or email contact@bywater.co.uk

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