

Calibration

Advanced Hands-On Metrology

A four-day course on advanced metrological measurement concepts and techniques

Course outline

- Quality systems that drive good metrology
- Basics of dc and low frequency metrology
- Lab instrumentation
- Environmental impact on measurement uncertainty
- Advanced math for the metrologist
- Understanding and using instrumentation specifications in procedure development
- How cables, connectors, and adapters impact high precision measurement results
- Complex calibration configurations involving shields and guards
- Advanced ratio measurement techniques and calculations
- Course exam

Who should attend

This course is designed for people who have experience making measurements with working standards such as multifunction calibrators, and want to work at the secondary and primary levels of metrology, using reference standards to make precision measurements of more than six digits resolution. This course will also appeal to those who would like to know about the base science of metrology and the math and physics that support it.

Prerequisites

It is recommended that you have some experience in basic

electrical/mechanical calibration, and some education relating to basic electronics is helpful. It is also recommended that you have accomplished high school math (including algebra), physics and science. A "Certificate of Completion" from the Fluke MET-101 course is also an indication of preparedness for this course.

Registration

Complete and submit the online registration form at www. flukecal.com/training. Once you submit the form, a fluke Calibration representative will contact you to verify space availability and to discuss payment terms. If you have an active MET/SUP-PORT Gold plan or Gold CarePlan, you are eligible for a 20% discount on course fees. Once you provide payment to finalize the registration, you will receive an email confirmation with course details. We recommend that you register at least 60 days in advance of the desired course.

Course information

Course No.: TRC 1301 Course Length: Four days or 32 hours of class time (This supports requirements for continuing education.) Each student who completes the course will receive a Fluke Certificate of Completion. Course Materials: Fluke will provide all course materials required to complete the course.



Cancellation

You may cancel your training reservation at no charge by notifying Fluke Calibration at least two calendar weeks prior to the class start date. If cancellation is received less than two weeks in advance, you will be charged the full tuition for the course.

Fluke Calibration reserves the right to cancel any course that does not reach minimum enrollment two weeks prior to class start date. If this happens, you will be notified immediately.



Calibration

Economical training for groups

If you want to train a large group, an on-site course can be an economical solution. Contact Fluke for a price quote and details.

Contact us

Email: training@flukecal.com

United States

877-292-3225 (toll free)

+1 425-446-5500 (international)

Canada

800-36-FLUKE (toll free) 905-890-7600 (international)

Europe (United Kingdom) +44 (0) 1603 256 758

Asia (Singapore) (65) 6799-5960



Visit the website at: **www.flukecal.com/training**, for the latest Fluke Calibration has to offer in calibration and metrology training.

Fluke Calibration. Precision, performance, confidence.™

Electrical RF Temperature Pressure Flow Software

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