

Introduction to Measurement Uncertainty

A three-day “how to” course that describes and demonstrates measurement uncertainty concepts and techniques

Course outline

- What is Uncertainty in a Measurement?
- Introduction to Basic Metrology Statistics
- Instrument Specifications
- Statistical Distributions
- Calculating Measurement Uncertainty
- Using the Student’s t Distribution and the Welch-Satterthwaite Equation
- Creating a Basic Uncertainty Budget
- Statistical Techniques in Metrology
- Guardbanding and Risk Analysis

Who should take this course

This course is designed for engineers, laboratory managers and technicians who need to understand how to develop uncertainty budgets and how to understand necessary calibration processes and techniques for obtaining repeatable results.

Prerequisites

It is recommended that you have a high school education and a basic understanding of math, algebra, physics and science. Some hands-on experience in dc-If electrical calibration, temperature calibration, pressure and flow calibration is helpful. Formal statistics training is not required.

Course information

Course No.: TRC 1302

Course Length: 3 days or approximately 24 hours of class time (This supports a certified calibration technician’s requirement for continuing education.)

After completing the course, all attendees will receive a Fluke Certificate of Completion.

Course Materials: Fluke will provide all materials needed to complete the course.

Registration

Complete and submit the on-line 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.

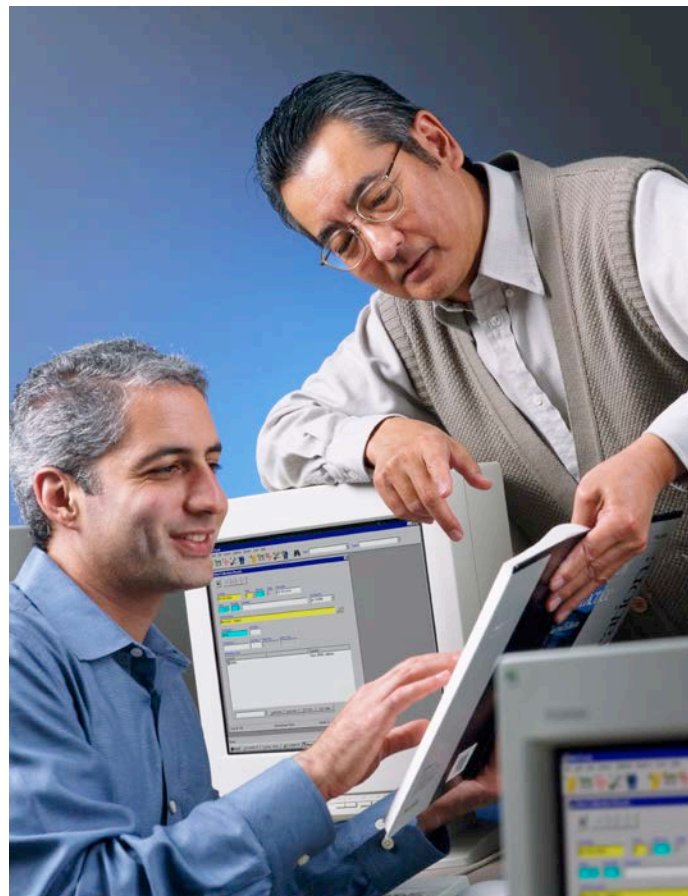
If you have an active MET/SUPPORT Gold plan or Gold Care-Plan, you are eligible for a 20 % discount course fees.

Once you provide payment to finalize your 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.

Cancellation

You may cancel your training reservation at no charge by notifying Fluke 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.

Economical training for groups

If you want to train a large group, an on-site course can be an economical solution. Contact Fluke Calibration 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)

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
------------	----	-------------	----------	------	----------

Fluke Calibration

PO Box 9090,
Everett, WA 98206 U.S.A.

Fluke Europe B.V.

PO Box 1186, 5602 BD
Eindhoven, The Netherlands
Web access: <http://www.flukecal.eu>

For more information call:

In the U.S.A. (877) 355-3225 or Fax (425) 446-5716
In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222
In Canada (800)-36-FLUKE or Fax (905) 890-6866
From other countries +1 (425) 446-6110 or Fax +1 (425) 446-5716
Web access: <http://www.flukecal.com>

©2007-2016 Fluke Calibration. Specifications subject to change without notice.
Printed in U.S.A. 9/2016 3182822d-en

Modification of this document is not permitted without written permission from Fluke Calibration.