



Course Catalog Number: Tmm-2
Course Track: Metrology Management
Course Topic: Test & Measurement Equipment (T&ME)
Course Career Level: Beginner

Sunday, August 25 | 8:00 AM - 5:00 PM | 1-Day (8 Hours)

Course Title: Understanding Instrument Specifics

Instructor: Michael Johnston, Fluke Calibration

Abstract: An entry-level exploration of instrument specifications with a focus on their application to the calibration process, including calculation of test tolerances, identification of specification types, and discussions on the practice of specmanship in the test and measurement industry. This tutorial is intended to help technicians understand the "why" behind the test tolerances.

Learning Objectives:

1. Calculate test tolerances based on specifications from the manufacturer.
2. Identify the four types of specifications.
3. Demonstrate methods for avoiding the pitfalls of specmanship by converting specifications to consistent confidence levels and formats.

Instructor Curriculum Vitae (CV):

Michael Johnston was an honor graduate of the U.S. Army Ordnance Munitions and Electronics Maintenance School in 2007 and has worked in metrology and calibration since then. He has a B.S. in Applied Mathematics and is pursuing his M.S. in Engineering Management. Michael currently works as a Technical Support Engineer and teaches basic and advanced hands-on metrology, measurement uncertainty, and advanced MET/CAL procedure development at Fluke Calibration.