



Course Catalog Number: Ttm-1
Course Track: Thermodynamic Measurements
Course Topic: Temperature & Sensors
Course Career Level: Beginner+

Saturday, August 24 | 8:00 AM - 12:00 PM | 1/2-Day AM (4 Hours)

Course Title: Thermometry Sensors, Instruments and Calibration

Instructors: Adam Fleder and Richard Steiner, Tegam Inc.

Abstract: We will review the types of sensors and their relative strengths in thermometry applications. How probe design affects measurements and how applications drive selection. The considerations and challenges encountered when calibrating thermometers and temperature indicators will also be discussed along with practical means of verify measurement system accuracy. Finally, a discussion of topics affecting IR thermometry will be held.

Learning Objectives:

1. Select suitable temperature sensors for their application
2. Properly calibrate sensors and instruments in various environments
3. Avoid common mistakes in temperature calibration

Instructor Curriculum Vitae (CV):

Adam Fleder is the President of TEGAM, Inc. and has a BSET degree from The University of Akron and MBA from Case Western Reserve University. He has 32 years of experience in the development of production test and ATE systems for Broadcast TV, Radar, Industrial Automation and Instrumentation applications.

Richard Steiner recently started as an application engineer at TEGAM. He brings with him a decade of experience in measurement systems and data acquisition techniques. His past projects include work for NASA, Lockheed Martin, The Department of Defense, and The Department of Energy. He is currently pursuing a bachelor's degree at Cleveland State University and plans to earn his master's in electrical engineering.