



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:** Dan Jackson and Ed Sumrada, Tegam Inc.

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**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

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**Instructor Curriculum Vitae (CV):** Prior to joining TEGAM in 2018, Dan has over 35 years of experience in thermometry and measurement with Omega Engineering.