ABOUT THE COURSE

Introduction to Pyrometry is a two-day review and comprehensive discussion of the SAE AMS 2750 specification and how to apply the requirements at your company.

Topics covered include:

- **Overview of AMS 2750**, associated requirements, and what a heat treater will need to consider and implement to ensure compliance.

- **Basic temperature sensors** (thermocouples), applications for sensors, considerations for the working environment, sensor verification and using sensors effectively.

- **Instrument requirements** to include standard instruments, test instruments, controlling/monitoring/recording instruments, how heat treat furnaces are identified for furnace class and instrumentation type, and more.

- **How to conduct System Accuracy Tests** (SAT) using pictorial furnace examples, calculating SAT results, SAT frequency, SAT waivers, and records/reports, and more.

- **When a Temperature Uniformity Survey** (TUS) is required, test temperatures, how to conduct the TUS using pictorial furnace examples, how to use the results, TUS failures, use of offsets, retort furnaces, requirements for the TUS report.

Course Objectives
• Assure a thorough understanding of pyrometric controls applicable to heat treating.
• Discuss the application of pyrometric controls within the typical heat treat facility.
• Clarify the intent and interpretation of SAE AMS 2750.

Who should attend?
• Those who have general oversight, management or support responsibility for pyrometry and need to understand the requirements
• Pyrometry Service Providers
• Quality Manager and/or Quality Engineer

Next Steps
• Go to [www.PRI-Training.com](http://www.PRI-Training.com)
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