

INTRODUCTION TO PYROMETRY REV E TO REV F

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.

PRI Training has updated the Introduction to Pyrometry course to include an overview of the key changes between Revision E and Revision F. All PRI Training instructors are fully briefed on the new revision and will be able to answer any questions you may have. This course offers a full examination and comprehensive discussion on the current pyrometry requirements for heat treatment equipment in Aerospace, based on SAE's AMS2750 specification. The requirements covered during the course are necessary to ensure that parts or raw materials are heat treated in accordance with the applicable specification(s). The revision to the course includes information on the forthcoming changes to those requirements, as detailed in latest revision F of AMS2750.

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.



IDEAL FOR PEOPLE PREPARING TO TAKE A PRI QUALIFICATIONSM PYROMETRY ASSESSMENT

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
- Email PRI-Training@p-r-i.org
- Call +1 724 772 8645 (Americas), +44 870 350 5011 (Europe) or +86 10 6461 9807 (Asia)