



A great class offered by a partnership with the State of Oklahoma and Meridian Technology Center and OPMUG!



COURSE COSTS:

Oklahoma based company
Class: \$650
Test- (Level I): \$250 (optional)

You save \$810 off retail cost!

Out-of-State company
Class: \$850
Test \$250
save \$610 off retail cost!



“Thermography Level I”

OPEN TO OPMUG MEMBERS

Thermography ANST Certification Level I
By: The Snell Corporation

February 9th-12th 2010

8:00-5:00

Testing on the 12th is optional

DEADLINE TO ENROLL IS January 15th!

**Meridian Technology Center
Stillwater, OK**

Registration will be limited to the first 12 students that register!

<http://www.opmug.net/>

jefff@meridian-technology.com

405-377-3333 x251

A basic course including theory, applications and hands-on training:

This training will provide hands-on applications instructions in the use of thermographic imaging equipment to OPMUG members. Training will focus on those applications relevant to the inspections needs of your company especially inspection of electrical and mechanical systems, approaches to production and process-related problems, and a general background in solving thermal problems. Participants will have an understanding of the basic heat theory necessary for thermal work, will know how to best utilize the equipment to perform surveys. This will allow them to more fully incorporate this inspection method in your existing programs to reduce unscheduled downtime, improve system performance and reduce maintenance costs.

Format—2010

The training will consist of classroom lectures, group discussions, demonstrations and fieldwork for a group of up to eleven people.

Materials prepared especially for instruction in maintenance thermography will be used. Hands-on activities are emphasized so that participants use the

*****IMPORTANT*****

STUDENTS SHOULD TRY TO BRING THEIR COMPANY'S THERMOGRAPHIC EQUIPMENT IF AT POSSIBLE.

Questions concerning this can be directed to Jeff Forquer at Meridian Tech

Course Schedule/Outline

8:00-5:00 subject to instructor's discretion

Day One:

Introduction and overview of Training Schedule
Learning to Think Thermally
Applied Theory
- Heat Transfer Basics
- Radiometry
Using the imaging equipment, hands-on instruction and practice

Day Two:

Inspecting Electrical Systems:
- Conducting inspections safely
- Patterns and Causes
- Conditions for successful inspections
- Examples of Equipment to be inspected
- How to conduct a systematic electrical survey

Field Work:
- Electrical survey of plant equipment
- Review of Fieldwork
- Basic temperature measurement in electrical surveys
Prioritizing findings

Day Three:

Inspecting mechanical systems
- Motors
- Rotating equipment
- Steam traps
- Refractory Insulation
- Tanks and silos

Fieldwork: Inspecting electrical and mechanical systems
Review of fieldwork
Implementing thermography
- Report forms
- Setting up inspection routes
- Procedures
Using the imaging equipment, hands-on instruction and practice

Day Four:

An overview of other applications
Building diagnostics
Roof moisture inspections
Using the imaging equipment, hands-on instruction and practice
Course wrap up and review

****Cancellation Policy****

A training class can be cancelled when, less than 75% funded and is less than 30 days from the start of class (training). In this case there will be a 100% fee refund for registered participants. If a registered participant cancels less than 10 days before the start of class (training) they will forfeit 50% of the registration fee.