



ITC Level 2 (Category 2) Thermography Course —attendance by 1 person

P/N: ITC-CER-5201

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Document identity

Publ. No.: ITC-CER-5201

Release:

Commit: 44105

Language: en-US

Modified: 2017-08-15

Formatted: 2017-11-16

Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

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General description

This course prepares the student for qualification as a category 2 certified thermographer. The participant will learn about topics in infrared thermography to increase their knowledge of infrared physics, heat science, and infrared measurement equipment and its application. As a Category 2 thermographer the participant can provide guidance to category 1 personnel in the areas of equipment selection, techniques, limitations, data analysis, corrective actions, and reporting.

Content

- Thermal science.
- Heat transfer.
- Temperature measurement.
- Infrared science.
- Infrared equipment and applications.

Student presentation

- During the seminar, students will present a prepared case study to the class. The maximum duration (excluding discussion) will be 7 minutes, with a maximum of 7 slides.

Laboratory sessions

- Newton's law (M).
- Advanced emissivity measurement (M).
- Variation of emissivity with angle (M).
- Transient thermal transfer.
- Indirect power measurement (M).
- Infrared window transmission (M).
- Slit response function.
- Hole response function (M).
- Parallel circuits.

Note: Laboratory sessions denoted by "M" are mandatory.



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Course information	
Available languages	Dutch, English, German, French, Italian, Portuguese (Brazilian), Spanish, Swedish.
Target group	<ul style="list-style-type: none"> Professional users. This course is designed for thermographers holding a Category 1 certificate who want to increase their knowledge of infrared thermography and who want to qualify as a Category 2 certified thermographer.
Typical student	<ul style="list-style-type: none"> Persons with a professional technical background such as technicians, engineers, consultants, or researchers who work in maintenance, building inspection, mechanical, or electrical applications, production, or R&D. Persons with several months of professional experience of thermography. Persons with experience of infrared camera operation and reporting. Persons holding a Category 1 certificate. Persons who need the Category 2 Certification for guidance and supervision of other thermographers or are interested in a deeper understanding of thermography.
Prerequisites	<ul style="list-style-type: none"> Valid Category 1 thermography certificate. Recommended experience within thermography according to the relevant standards.
Course details	
Duration	40 hours.
Structure	Theory, camera practice (hands on), and prepared case studies on alternate days.
Exam	Written exam (closed book) including multiple-choice questions and practical image interpretation on the last day. The maximum duration is as defined by the relevant certification standards.
Course fee includes	<ul style="list-style-type: none"> Tuition by an ITC-licensed instructor. Training materials in printed format. Refreshments. Diploma of attendance. Certificate of conformance with certification requirements (subject to passing the exam). Attendance by 1 person. May include more, such as lunch, depending on the location and the organizing body.
Course organization	
ITC	The ITC Level 2 (Category 2) Thermography Course is offered worldwide by ITC subsidiaries and ITC partners as listed in "Courses offered by ITC partners" (T560393). Specific customer requests should be forwarded to the closest ITC subsidiary listed in the "ITC Directory" (1560096).
ITC trainers and licensed trainers	"Courses taught by ITC instructors" (T560392) lists all licensed trainers and ITC trainers authorized to teach the ITC Level 2 (Category 2) Thermography Course.

ALPINE

COMPONENTS

Postal Address

Alpine Components Ltd
Innovation Centre, Highfield Drive
Churchfields
St. Leonards-on-Sea
TN38 9UH
United Kingdom

Telephone

01424 858118

Website Address

www.alpine-components.co.uk

"Alpine Components" is the abbreviated trading name for "Alpine Components Limited"
The company has been trading since 1991 and was incorporated on 13/11/2006 in the United Kingdom

Company Registration Number: 05996485
VAT Number: GB583598190