

INFRARED THERMOGRAPHY COURSE

AL02

‘Thermal imaging cameras are a great tool for predictive maintenance inspections’

“We see what your eyes cannot see”

COURSE OBJECTIVE

This two day Infrared Thermography course is geared to the new infrared camera user and focuses on its use for a variety of condition monitoring/predictive maintenance applications. Participants will learn to collect quality data with accurate temperature readings, proper setting of distance and emissivity, interpret thermograms and report generation.

BENEFITS

- Reduce risk in fire hazardous
- Identify potential “Hot-Spot” in advance
- Reduced insurance premiums
- Conserve energy
- Improve Safety
- Measurement in inaccessible areas

WHO SHOULD ATTEND

- New Infrared Thermographers
- Electrical engineer
- Reliability engineer / manager
- IR Thermography service providers

PRE-REQUISITE

No infrared thermography experience is required.

COURSE MATERIALS

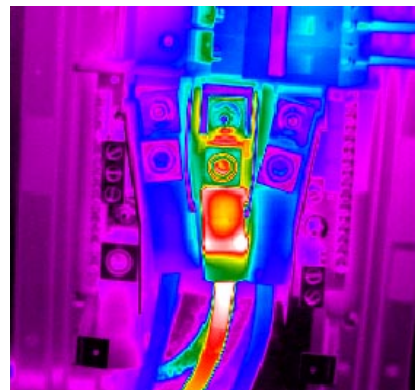
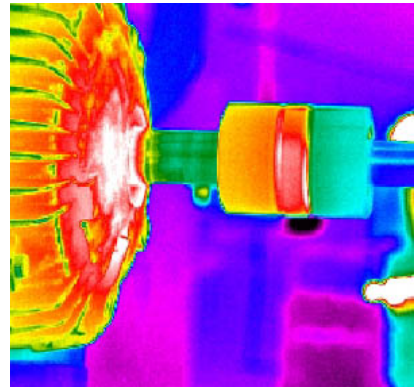
Comprehensive notes and a collection of case studies

COURSE DURATION

2 DAYS

CANCELLATION POLICY

If notice of withdrawal is given in writing - 14 calendar days before the course date, 80% of the course fee will be refunded. A 50% refund will be made for cancellation received in writing – 7 calendar days before the course date. After which, NO REFUND will be entertained.



Thermography in various applications

MULTI MAINTENANCE SOLUTION

WE DELIVER CUSTOMIZE SOLUTION TO YOU

COURSE TOPICS

Lesson 1

Introduction to IR Thermography

- Why is temperature important?
- What is Infrared?
- What is thermography?
- Thermography applications

Lesson 2

Infrared Camera Basics

- Thermal Instrumental Overview
- Infrared Camera – Basic Components

Lesson 3

Qualitative & Quantitative

- Qualitative Thermography
- Quantitative Thermography
- Components of a Quality Image
- Infrared Camera features and functions

Lesson 4

Basic Heat Transfer

- Basic Thermal Science
- Heat and Temperature
- Temperature units
- Heat transfer modes
- Conduction
- Convection
- Radiation heat transfer

Lesson 5

Science of Infrared Radiation

- Components of Radiosity
- Fourier's Law of conduction
- Newton's Law of convection
- Stefan-Boltzmann's Law of radiation
- Transmissivity, Emissivity & Reflectivity

Lesson 6

Infrared Application Overview

- Electrical Systems
- Mechanical Systems
- Process Applications
- Buildings Thermography
- Medical Applications
- Safety & Environmental Applications

Lesson 7

Workshop & Experiments

- #1 Qualitative Thermography
- #2 Conduction
- #3 Material Emissivity

REGISTRATION

SIGN UP
NOW!



1ST Delegate Name: _____
Job Title / Department: _____
Telephone: _____ Fax: _____
Email: _____

2ND Delegate Name: _____
Job Title / Department: _____
Telephone: _____ Fax: _____
Email: _____

3RD Delegate Name: _____
Job Title / Department: _____
Telephone: _____ Fax: _____
Email: _____

APPROVED BY: _____

Job Title / Department: _____
Telephone: _____ Fax: _____
Email: _____
Company: _____
Address: _____

2 easy ways to Register



(603) 4047 3465

Complete and fax this registration form



info@m2solution.com.my

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