



INFRARED THERMOGRAPHY CERTIFICATION TRAINING (ITC) COURSE LEVEL 1

INTRODUCTION

Level 1 Certification course is for the new thermographer and focuses on how infrared is utilized for a variety of applications as Specialized instruction in building diagnostics, roofing, electrical, mechanical, research and science, and optical gas imaging.

TARGET PARTICIPANTS

- ✔ Electrical Technicians and engineers,
- ✔ Mechanical Technicians and Engineers
- ✔ Building and construction engineers
- ✔ Engineering consultants.



COURSE OBJECTIVES

- ✔ Review the best practices of thermography including factors that impact measurement accuracy, the required conditions for a successful inspection and important safety considerations.
- ✔ Analyze thermal images, prioritize anomalies and create simple reports using the latest infrared inspection software.
- ✔ Discover how to take simple temperature measurements of targets by learning the fundamentals of emissivity and reflectivity.
- ✔ Learn the core concepts of heat transfer and how it impacts both imaging and temperature measurement.
- ✔ Develop IR camera operation skills that are essential for collecting quality data with your thermal imager.
- ✔ Learn the fundamentals of thermal imaging for reliability maintenance, building envelope analysis and roof moisture applications. No previous experience necessary!
- ✔ Gain experience with hands-on exercises that build your foundational knowledge of camera operation while re-enforcing the concepts of heat transfer that are taught throughout the week

EXPECTED OUTCOME (CERTIFICATION)

- ✔ Students who complete all training course requirements receive a Level 1 Infrared Thermography Certification.
- ✔ Level 1 learning objectives, contact hours, and written exam are based on requirements outlined by ANSI/ASNT CP-105 of the American Society for Non-Destructive Testing.
- ✔ ITC Certification is the gold standard qualification within the thermography industry and exceeds the requirements of international standards.

DURATION: 5 DAYS | LOCATION: AMOTECH AFRICA OFFICE, WESTLANDS, NAIROBI

TO RESERVE OR REGISTER FOR THIS COURSE EMAIL: info@amotechafrica.com | Call: +254 709 223 344

ABOUT AMOTECH AFRICA

We offer various test and measurement solutions that solve our clients' unique needs. We also offer technical training on equipment, technical support services, instrument calibration and repair services.

FOR MORE INFORMATION

Office Line: +254 709 223 344 | Email: info@amotechafrica.com
www.amotechafrica.com

