

Thermal Imaging

Training Courses

What will I learn?

Temperature is a key measurement in virtually every situation and process. More and more people are recognising the advantages of using a thermal imaging camera as a safe and rapid means of monitoring the condition of processes and equipment by using this non-contact method. Using up-to-date thermal cameras and software, delegates will learn how to capture and analyse a thermal image then report their findings.

The course begins with a simple definition of thermography and looks at a number of different and proven workplace applications to illustrate its benefits.

We will explain the thermal camera's components and give guidance on how to capture a quality thermal image.



There will be plenty of opportunity for 'hands on' work, reinforcing the information contained within the course literature.

You will learn the fundamentals of thermal image acquisition and analysis, providing you with the choice of making an 'on the spot' analysis or undertaking a more detailed investigation using the manufacturer's software.

Course Contents:

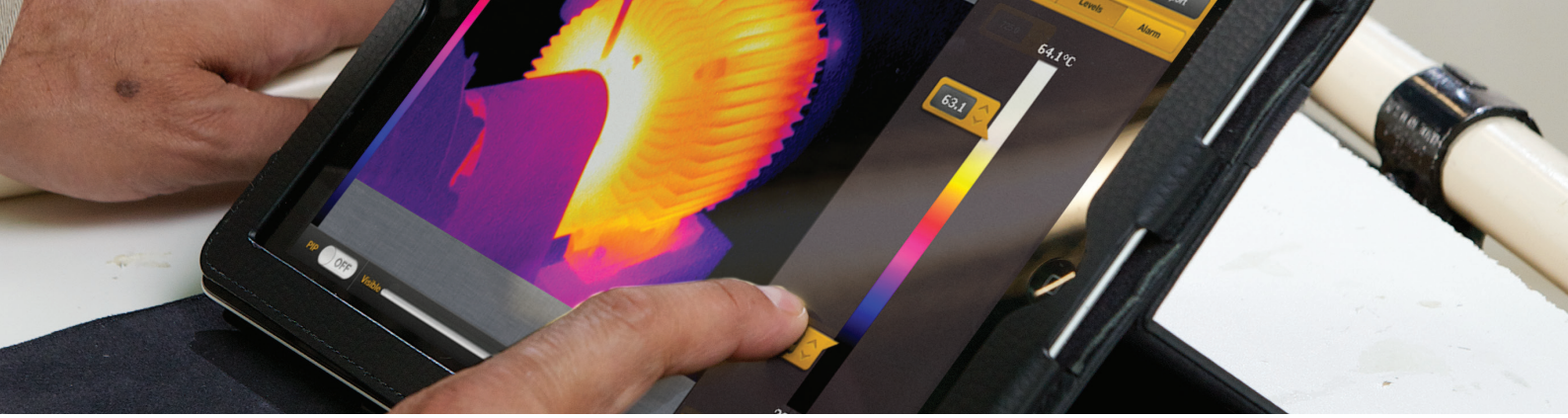
- The benefits of using thermal imaging
 - *Illustrated by a selection of different applications*
- Key camera components
 - *Lens, IR detector & sensor electronics*
- Explanation of basic camera specifications
 - *Temperature range, thermal sensitivity, IFOV, D:S ratio & detector resolution*
- Demonstration of basic camera operation
 - *Focus, colour palettes, thermal focus & blending*
- General principles of thermography
 - *Qualitative analysis & quantitative analysis*
- Introduction to emissivity correction & reflected background temperature.
- Capturing a quality image
 - *Composition, temp. differential, distance & focus*
- Advanced features, examples including:
 - *Colour alarms*
 - *Voice recording*
- Software demonstration
 - *Image analysis*
 - *Production of reports*
- Assessment
 - *Practical & written assessment for your certificate of training*



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The course is delivered by one of our ITC-qualified thermographers in a friendly yet informative style.

The Thermal Camera can be a great addition to your toolbox.

This course is designed for those without any experience with thermal cameras, wishing to benefit from its exceptional versatility!

Who would benefit?

- Electrical Engineer ✓
- Plumbing/HVAC Engineers ✓
- Production Engineers ✓
- Buildings Surveyors/Inspectors ✓
- Repair Engineers ✓
- Pest Controllers ✓
- Veterinarians ✓

Why?

- It's non-contact/safe ✓
- Instant measurements ✓
- Ease-of-use ✓
- Real-time inspections ✓
- Early indication of faults ✓
- Aids communications with client ✓

At a location to suit YOU!



These courses can be delivered at your premises or near-by hotel on a date convenient for you... or at our centre in Newcastle-under-Lyme. [Our coverage is UK-wide!](#)

Minimise time away from work with our 1/2 & full-day courses

Bolt-on modules also available - bespoke to your chosen camera(s)/application. If required, a truly tailor-made service is available!

The course can be modified to take into account the make/model of the camera you are currently using, or considering purchasing.

Each delegate will receive...

- Handbook of Thermal Imaging (20-page colour booklet)
- Thermal Reference Card
- Money Off Voucher for Thermal Cameras/Thermal Calibration*

*Terms & Conditions apply



On successful completion of the course you will be presented with a Certificate of Training.

If you have any questions or you would like to book a date and time convenient for you, contact our friendly team who will help guide you in fulfilling your training requirements - enabling your company to be more streamlined and efficient so you can concentrate on growing your business!

Training Case Study

23 product training courses delivered to a well-known utility company, covering 15 depot locations across the UK. 273 Field Operatives trained by Acutest.



Require a more in-depth course? This awareness course can offer an introduction to the nationally-recognised ITC Level 1 Thermography qualification, which typically runs for 5 days and provides an in-depth exploration of the subject of Thermography – Call us for more information.