

Thermographic Imaging



What is it?

Thermographic imaging is a way of finding out how hot something is by measuring the amount of infrared radiation being emitted. This is measured using a thermal imaging camera which converts the infrared information to a temperature reading. Doing this allows you to identify potential problems with electrical and mechanical components and systems.



Taking the heat out of guesswork

All objects emit thermal energy as infrared radiation. As the temperature of an object increases so too does the amount of infrared radiation emitted. This can be captured using a thermal imaging camera that produces a 'heat map'.

In electrical and mechanical components, increased operating temperatures can be a good indicator that something isn't quite right. Determining the cause of the increased temperature can reduce the risk of fire and breakdowns.

Preparing for the unexpected

Thermographic imaging is a cost-effective, safe, non-contact method of examining electrical and mechanical components. So it's useful to build-in to your regular preventative maintenance checks. By comparing previous heat maps, any temperature variations can be identified, which might indicate irregularities.

How often should it happen?

At least once a year. Regular checks under load should only be carried out by qualified professionals such as an experienced electrician with the correct training and equipment.

Results of the scan should be fully documented and include a fault identification and action summary. Significant faults should be attended to immediately, other faults should be fixed as advised by an electrician.

If any work needs to take place, it also needs to be signed off when completed.

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