

Seeing is believing...

IRISYS®



IRI 4010

... take away the guess work with performance and affordability

The IRI 4010 is an innovative hand held thermal imager which offers outstanding imaging and temperature measurement performance together with the traditional IRISYS features of flexibility, ease of use and minimal cost.

- Only 0.75 kg
- 160 x 120 image
- Simple operation
- Large, clear display
- Multiple temperature measurements
- Lowest cost high definition imager on the market

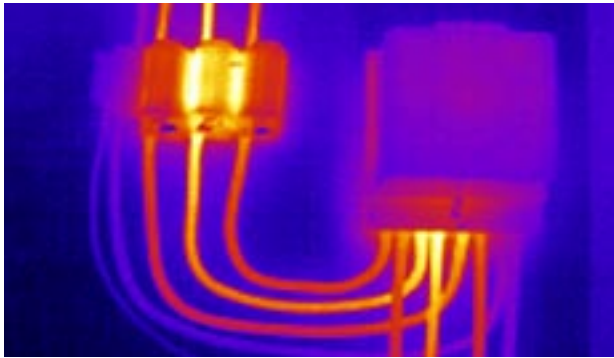
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THERMAL IMAGING



Hotshots in Thermal Imaging Whatever The Application

www.irisys.co.uk

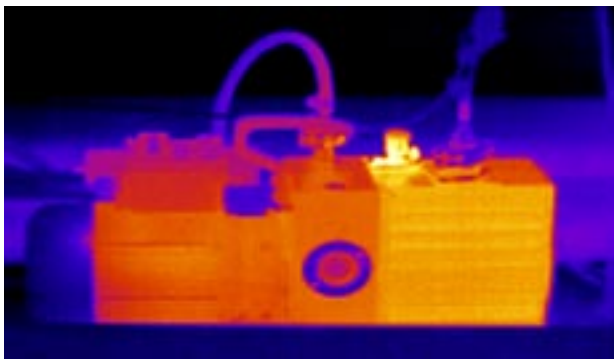


ELECTRICAL

Among the many common faults in electrical systems are:-

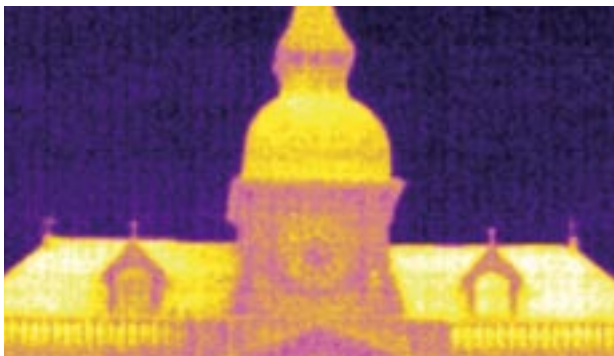
- Loose/over tight connections
- Over-twisted wires
- Overloaded components
- Uneven voltage distribution
- Failed/fatigued components

Faults such as these can cause the temperature of a component or connection to change. IRISYS thermal imagers can be used to obtain a thermal profile; this facilitates condition monitoring and fault diagnosis.



MECHANICAL

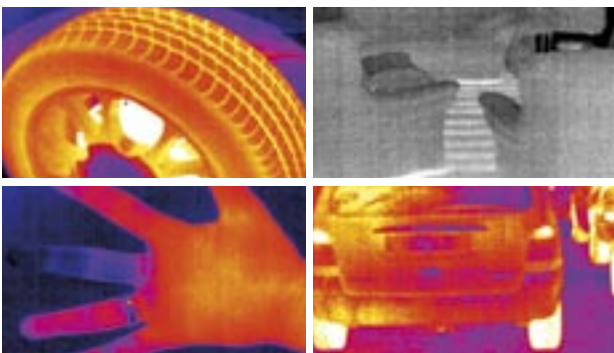
Many faults in bearings and motors are due to poor lubrication and/or shaft alignment. These result in excessive friction which leads to a rise in temperature. There can also be faulty or loose electrical connections. Whatever the fault, the result is a change in the temperature profile of the equipment. This can be detected and monitored using an IRISYS thermal imager.



BUILDING INSULATION

The twin drivers of energy costs and legislation are leading to improvement in building insulation. The quality of the insulation, however, is difficult to assess by purely visible means.

An IRISYS thermal imager will identify both missing insulation in new buildings and deteriorating insulation in older buildings.



GENERAL

Thermal imaging technology has traditionally been prohibitively expensive for many applications. However, with the introduction of low cost thermal imagers from IRISYS, it is becoming more generally relevant. Examples of these emerging applications include:-

- Monitoring of tyre temperatures and other parts on a car.
- Checking of domestic central heating and under floor heating systems.
- Monitoring of injuries in horses and other animals, where the difference in blood flow will create a temperature difference that can be identified by an IRISYS thermal imager.

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