

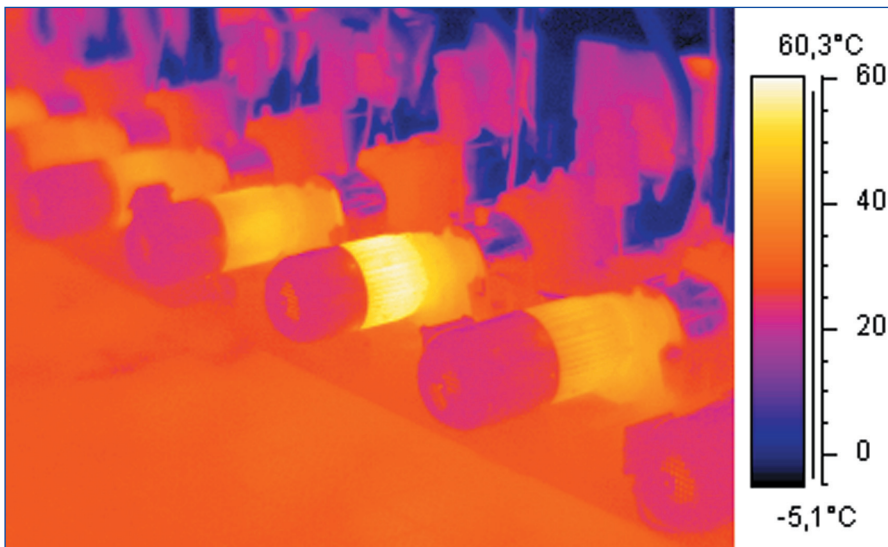
Thermography

In-process condition monitoring

Thermographic technology has grown into a valuable diagnostic instrument within the condition monitoring and preventive maintenance area. It is nowadays a complementary and efficient tool for maintenance planning and it can turn inspection and condition monitoring into a relatively simple operation. With the aid of very flexible measurement methods one can document

the condition of an installation and any potential risks. Weak points can easily be recognized and the installation availability and security can be increased thus avoiding any substantial consequential damage. Before it breaks down, all equipment will generate heat.

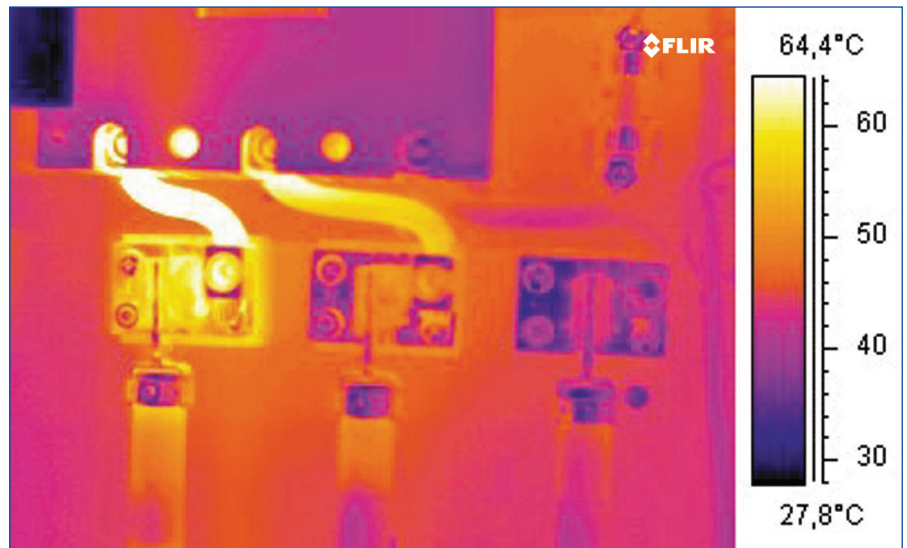
Heat images have a very high significance as the images on these pages clearly illustrate. It shows what normal optical inspection can not show: "This is what the real condition of the installation is." Our skilled technicians will ensure a correct interpretation of the measurement results. They are well trained in the field of heat radiation, general heat technology and are specialists in every aspect of the mechanical and electrical drive technology.



Electro motor

Infrared cameras:

- Will perform inspections when the systems are operating
- Visualize the generated heat
- Operate in a contact less and non-destructive manner
- Generate an image representing thousands of measured spots
- Give you answers as to where maintenance is necessary
- Identify problems before they will affect the normal operation
- Save valuable time and money



Electrical connection with high transition impedance

Specific areas of use:

- Surveillance of electric switching cabinets, equipment and connections in high and low-voltage areas.
- Monitoring of electric motors, shafts, bearings, gear boxes and other mechanical components.
- Checking load on cables and wires.
- Domestic engineering

What we can do for you:

- Preliminary meeting to explain the possibilities of our thermographic system
- In process thermographic inspection. We assume free access to your facility
- All acquired images will be discussed with you and documented within an inspection report
- From this report a comprehensive radiometric analyses will be prepared containing a full risk analyses.
- This inspection will be carried out by a qualified and trained technician.

For further questions please refer to the Thermgraphic department in Esslingen.

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