



Thermography for refrigeration and HVAC systems

A Product Information Sheet by the Electrical and Building Services Engineering Business Area

Infrared thermography is a contact-free and non-destructive technique offering measurement and imaging of surface temperatures. It is used for qualitative and quantitative measurement results and does not require operations to be interrupted. Thermography results enable maintenance and repair measures to be tailored to the system in question.

Optimise the operation of your systems while extending their service life!

Thermography supplies valuable findings:

- Leak localisation
- Detection of thermal bridges
- Weakness analysis
- Internal flow in liquefiers, evaporators and heat exchangers
- Positioning of lines, cables and pipes
- Inspection of thermal insulation
- Construction defects
- Verification of correct workmanship

The benefits offered by infrared thermography are reflected in the enormous variety of possible measurement applications for the process. Advanced evaluation of measurement results calls for specialist know-

how, which we can deliver from our long-standing experience in the field of infrared thermography and our involvement in national and international bodies and committees.

Your benefits

- ▶ You identify faults at an early stage and prevent malfunctions.
- ▶ You minimise downtime.
- ▶ You optimise your systems and processes in a targeted manner and thus enhance system availability.
- ▶ You consume less energy and reduce operating costs.
- ▶ You optimise maintenance and improve quality assurance.

The experts at our Center of Competence for Refrigeration and Air Conditioning will be happy to explain the wide variety of possible applications in your business. Call us! We provide comprehensive and expert information.

We have our own refrigeration laboratory; our staff is certified as per EN 473.

TÜV SÜD. Choose certainty. Add value.