

Thermography technique - the quality proof of a project as an advantage for the client

DS-Plan modernised the thermography technique and offered herewith new possibilities of quality control to their clients.

The thermography measuring provides a fast, reliable and nonvaluated proof of the delivered quality to the client. With the new thermography camera TVS-200 thermal image pictures of high quality and high resolution for various fields of the construction branch are possible. The various usage of the camera is not limited for the building physical examination of the building cover only, but also usable in all other technical building sectors:

Building cover:

- Identification of thermal bridges of the building cover
- Analyses of the different materials used within massive walls
- Discovery of air leaks at windows, doors and glass facades
- Location of insulation materials behind facing framework
- Quality control of cooling rooms

Heating and ventilation engineering

- Water streaming in radiators, cooling ceilings, thermal core activation and floor heating
- Location of heating and warm water pipes
- Discovery of overheating at pipes, boilers, etc.
- Measuring of surface temperatures at comfort inspections

Electrical Engineering:

- Discovery of overheating at control cabinets and other electrical installations
- Securing of operational reliability and fire protection at circuits and cable joints.

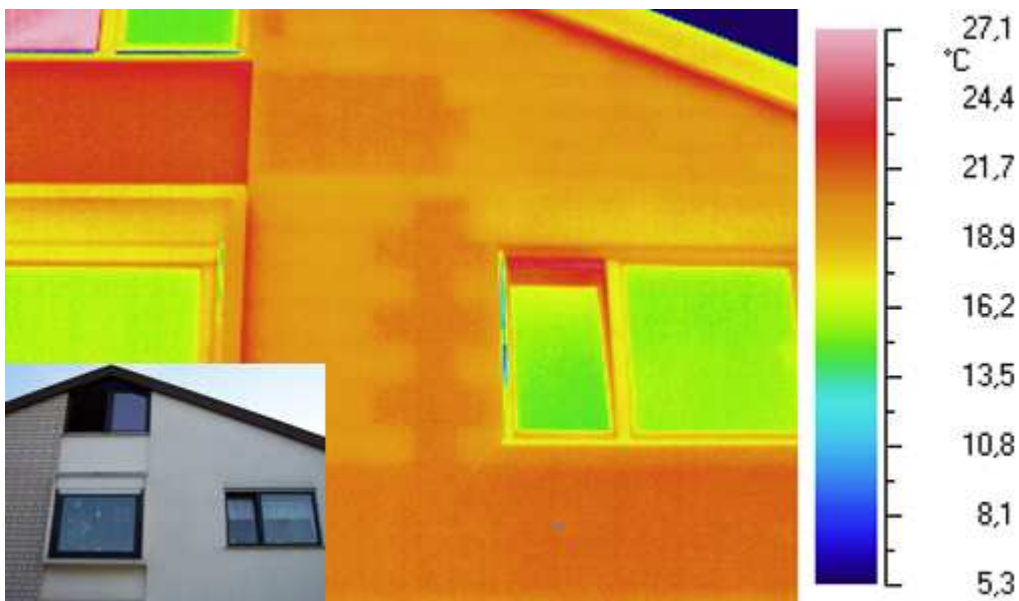
The thermographical technique is usable for all purposes: In already occupied buildings the functional efficiency of cooling ceilings, heating surfaces and similar installations can be checked without any destruction and disturbance. The results of the examination can be shown to the client immediately on site.

A special added value of planning reliability arises if the thermography is already used during the building phase and also afterwards at the acceptance of the works for the quality control. In this case the client immediately gets the quality proof and the noted defects can be remedied before the initial operation.

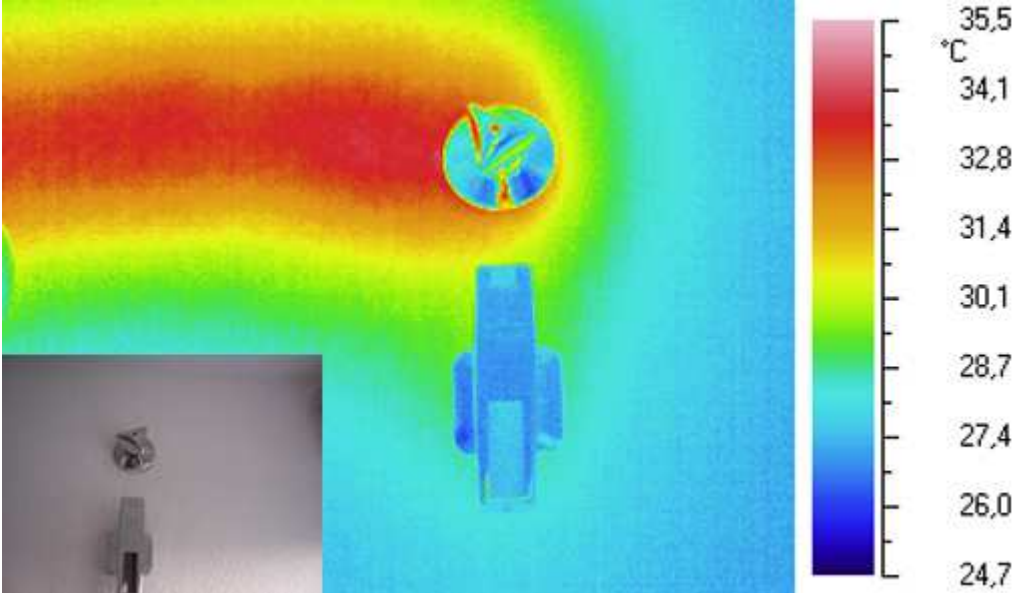
With the uncomplicated but still multiple usable possibilities, the thermography technique is an essential instrument for an efficient quality and schedule control in the advantage of the client.



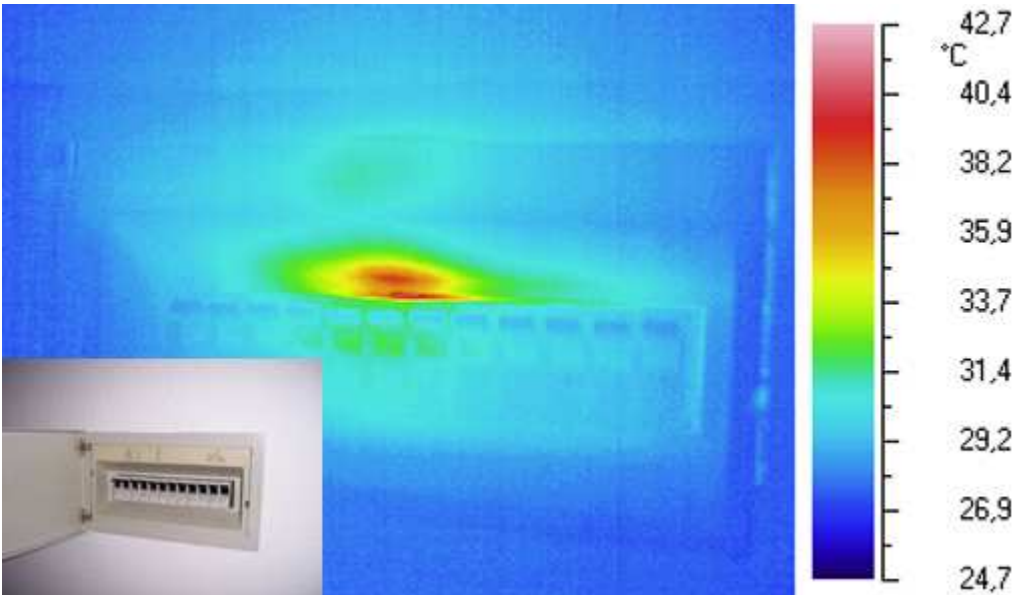
The thermography camera TVS-200 in its handy size



Hidden inhomogeneity of a massive wall



Location of warm water pipes



Overheating of a fuse box

Performance elements (example)

Thermographical measuring (thermal image photography) are digital pictures of surface temperatures of facades or also of individual building parts or facility components. By analysing the extent and distribution of the temperatures, interferences about the condition of heat insulation, constructions and devices are possible.

The performances include the measuring on site as well as the review and interpretation of the pictures at the computer. Finally a summarising and evaluating report is provided. As the measuring is done digitally, first analyses can already be made on site.

Fee

The fee for the thermographical picturing consists of the following:

- Taking of the pictures with the thermographical camera by a competent engineer (half-day or daily rate)

- Measuring report inclusive presentation of the measuring results by picture analyses, plus travelling costs and ancillary costs

Fee €

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