

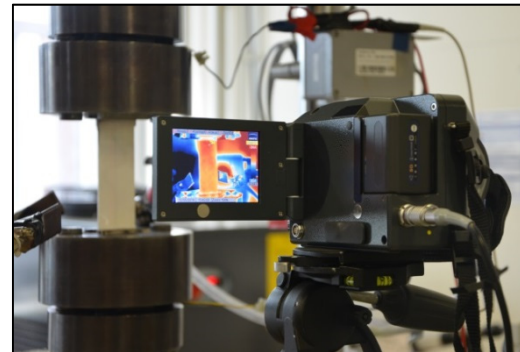
1.7.6 Thermography systems

Technical data

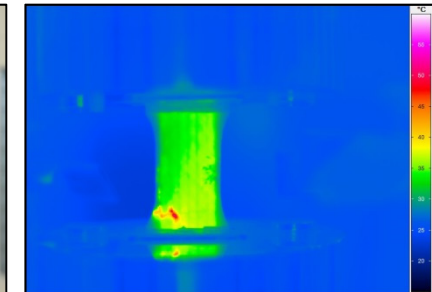
- Camera system InfraTec HR675S for stationary and mobile use
- Recording of individual images, series of images and fully thermography videos in continuous operation that can be evaluated
- Resolution: High Resolution (1280 x 960 pixels)
- Measuring temperature range: -40 to +1200 °C
- Working range: -15 to 50 °C
- Measuring precision: $\pm 1\text{K}$
- Focal length: 30 mm with 0.8 mrad

Areas of use / applications

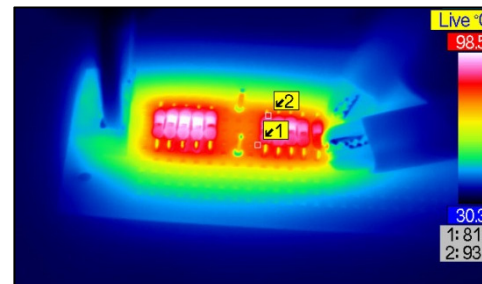
- Thermal monitoring of units and components
- Thermography investigations accompanying airconditioned test setups
- Monitoring of exothermic reactions in mechanical tests and chemical reactions
- Lock-in thermography for damage assessment



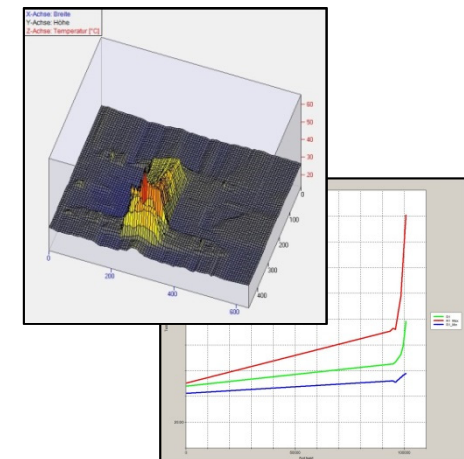
Thermography system during the monitoring of experiments



Crack initiation in a fibre compound material under dynamic loading



Investigation of electronic components during operation



3D evaluation and monitoring of temperature trends over time