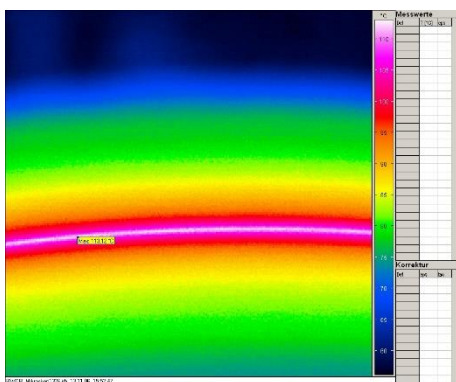




Infratec VarioTHERM II high-resolution thermographic camera on sealing ring endurance test bench



Hand-held Fluke Ti32 thermographic camera on sealing ring endurance test bench



False-color image of the surface temperature in the air-side contact area of sealing rings and shaft

Description:

- Non-contact measurement of surface temperature
- High-resolution measurement with microscope lens (Infratec Vario Therm II)
- Fast measurement with handheld thermographic camera (Fluke Ti32)
- Live display as false color image on display or on laptop
- Result storage as single image or video
- Emission coefficients of measuring surface can be set in camera or evaluation software

Technical Data:

Infratec VarioTHERMO II:

Spectral range:	3,4 – 5 μm
PtSi-detector:	256 x 256 Pixel
Measuring range:	-25 ... 1200 °C (with standard lens) 50 ... 250 °C (with microscope objective)
Thermal resolution:	< 0,1 K (by 30 °C)
Optical resolution:	25 μm (with microscope objective)

Available Test Methods:

- Measurement of the temperature in the air-side contact area of the seal and shaft
- Measurement of temperature in the contact area of the seal and shaft (by sapphire shaft with deflection mirror)
- Monitoring of the temperature near the contact area during endurance tests by means of pyrometer