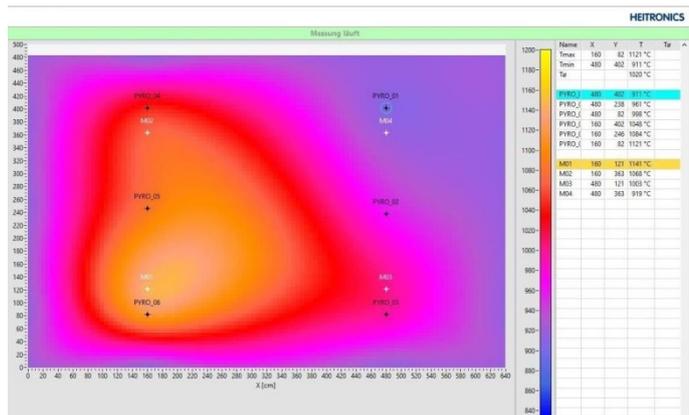# HEITRONICS
Infrarot Messtechnik

Application Report

Displaying the temperature distribution in combustion chambers using TempControl 2.0

- Calculation of current gas temperature distribution from up to 16 IR Thermometers…

- …displayed as a false color image

- Free configuration of the combustion chamber and the measuring positions

- Output of intermediate temperature values at up to 16 freely selectable positions.

- Line graphics for:
  - → Current readings
  - → Hourly averages
  - → Daily average

- Storage of all measured values and calculations

Advantages of HEITRONICS Instruments/Software:

- Intuitive detection of hot spots, imbalances etc. by graphical image of the temperature distribution
- Output of the current temperature at any position in the combustion chamber e.g. for controlling the SNCR lances
- Storing all measured and calculated values organized by days and hours
- Displaying of hourly / daily average values as line graphs

Hard-/Software in use:

- 4 …16 Infrared Radiation Thermometers Type KT19.69 II
- Software TempControl 2.0
- Industrial PC with slots for D/A- and A/D-converter