

**KELLER MSR**

INFRARED THERMOMETER SOLUTIONS



# Inhouse seminar Theory and practice of non-contact temperature measurements

Free of charge in your company!



# Theory and practice of non-contact temperature measurements

Pyrometry is an ideal measuring method to record the temperature without contact to the target within milliseconds and from a safe distance. To avoid false measurement readings it is very important to choose the right infrared thermometer by considering the particular conditions under which the pyrometer will be used in practice.

The main target audience of this seminar are project planners, commissioning specialists, operators and maintenance staff of process engineering plants from practically all industries using industrial temperature measurement technology.

The aim of the seminar is to provide you with the knowledge that is essential for the successful selection and handling of pyrometers. In addition to the presentation you are welcome to discuss your specific requirements with experts, to exchange your experience with us and to find new approaches for solving your particular measuring problem.

## Agenda

- Physical principles of temperature measurements with pyrometers
- Definition of emissivity and its influencing factors
- Fundamentals of optics and influences on measurements
- Spectral pyrometers and two-colour pyrometers
- Criteria for the selection of pyrometers and measuring points
- Sources of error and how to avoid them
- Calibration of pyrometers
- News and trends for pyrometers
- Application examples with suggested solutions

## We come to you

We will come to your company for a free-of-charge inhouse seminar to save travelling time and costs for your employees. We will coordinate a date for the seminar that fits in your company's workflow. The time frame is approximately 2 hours.

## Contact us and schedule a date

If you have further questions concerning our seminars or if you would like to schedule a date with us, please send us an e-mail and we will contact you by return.

E-Mail: [info@keller-msr.de](mailto:info@keller-msr.de)



For more than 40 years now, KELLER MSR has been developing, manufacturing and selling portable and stationary infrared thermometers, IR temperature switches and system solutions. These are used for non-contact temperature measurements of industrial applications in the steel industry, in foundries, and in the glass, cement and chemical industries.



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