Product information
Through the use of advanced microelectronics, BASF’s Exactus line of optical temperature measurement products has:
- Introduced measurement rates as high as 1000 readings per second, allowing for much faster process control in heat treat measurements.
- Virtually eliminated drift in industrial optical temperature measurement
- Provides greater control of response time, emissivity adjustment, data acquisition.
- Lightpipe sensors allow for measurement optics to be embedded within induction coils.
- High resolution and high speed measurements can greatly improve process stability and yield.

Figure 1: Fast measurements can provide fast closed-loop control capabilities
Figure 3: Direct optical measurement of inductively heated sample. Specialty sensors built into the induction coil provide additional measurement flexibility.

About Us

BASF’s Catalysts division is the world’s leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF’s Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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