

EXACTUS®

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

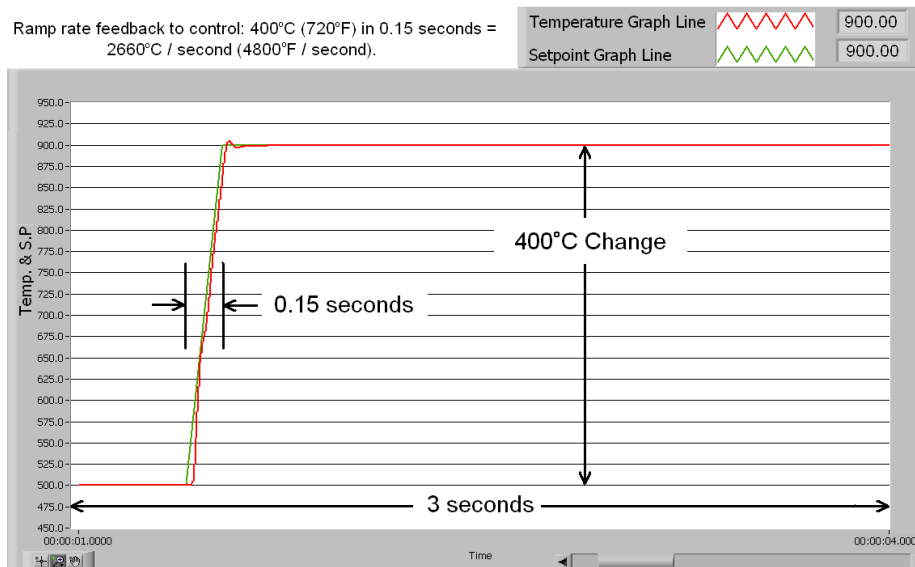


Figure 2: Lensed pyrometer options.

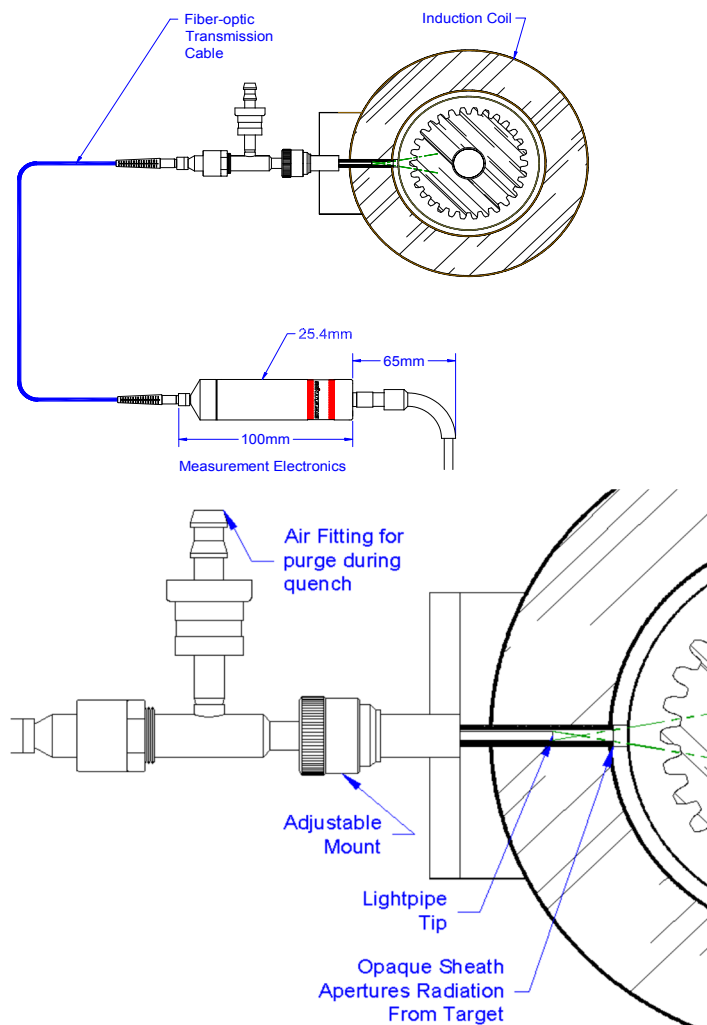


Figure 3: Direct optical measurement of inductively heated sample. Specialty sensors built into the induction coil provide additional measurement flexibility

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

www.catalysts.basf.com/tempensing

Americas

BASF Corporation
Temperature Sensing Business
46820 Fremont Boulevard
Fremont, CA 94538
Tel: +1-510-490-2150

Exactus® Applications Support
4011 S.E. International Way
Suite 604
Portland, OR 97222
Tel: +1-503-794-4073

Asia Pacific

BASF South East Asia Pte Ltd.
7 Temasek Boulevard
#35-01 Suntec Tower One
Singapore 038987
Tel: +65-6337-0330

Europe, Middle East, Africa

BASF Italia S.r.l.
Divisione Catalizzatori
Via di Salone, 245
00131, Rome, Italy
Tel: +39-06-41992-1

Germany

Tel: +49-6103-6049407

Exactus is a trademark of BASF.

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH.

Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2019 BASF