

## Application Questionnaire for Non-Contact Temperature Measurement

Please fill out the following questionnaire and e-mail it to

[info@sensortherm.de](mailto:info@sensortherm.de)

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Street No. / POB: \_\_\_\_\_

Postal code: \_\_\_\_\_ City: \_\_\_\_\_

Country: \_\_\_\_\_

Department: \_\_\_\_\_

Phone / Fax: \_\_\_\_\_

E-mail address: \_\_\_\_\_

I need advice by telephone, please call me, preferably on: \_\_\_\_\_

### Details to your Measuring Task:

Description of the process or application, in which the temperature measurement should be taken:

Description of the object to be measured:

Material: \_\_\_\_\_ Size: \_\_\_\_\_

Surface:  dull  shiny

Heating or cooling method (inductive, conductive, convective, radiation, oil flames or gas flames,...):

Is heating or cooling at the same point where the temperature measurement takes place?  Yes  No

Is there direct viewing to the target?  Yes  No

If no, is there a viewing window?  Yes  No

If yes, please specify window-material, thickness and diameter: \_\_\_\_\_

Is the detection range between pyrometer and the measured object vitiated?:  Yes  No

If yes, by:  steam,  smoke,  dust?

Is the object moving during measurement?  Yes  No

If so, at what speed? \_\_\_\_\_

Where is the critical process temperature? \_\_\_\_\_ °C

Desired temperature range from: \_\_\_\_\_ to: \_\_\_\_\_ °C

Desired measured area size: \_\_\_\_\_ mm at measuring distance: \_\_\_\_\_ mm

Required update rate of the temperature measurement: \_\_\_\_\_ ms

Ambient conditions at sensor's installation:

Temperature range: \_\_\_\_\_

Electromagnetic fields:  Yes  No

Hazardous area:  Yes  No

Is there any temperature measurement done at this time?  
What is the result and what improvements should be achieved?

**Please tick the measurement method applicable for your process:**

- Point-shaped temperature measurement
- Scanning temperature measurement with detecting the maximum temperature
- Scanning temperature measurement with temperature profile output
- Thermal imaging measurement

**How to process the measurement result further?**

- Via analog output 0/4–20 mA
- Via digital interface  RS232  RS485  Profibus  \_\_\_\_\_
- Display
- Temperature control
- Switch

Please send us any other available information that can help us to analyze your measurement task, such as a photo or a drawing. It might also be helpful to provide us with a sample of your measurement object of approximately 10 x 10 cm. We assure you to the confidential handling of your documents and samples.

**Innovative suggestions serve the progress and help you and us.**