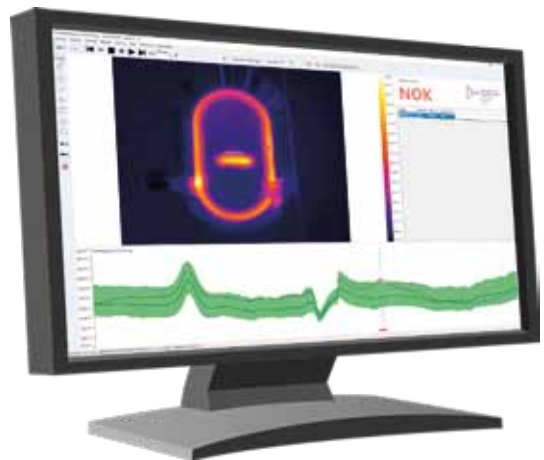


# Software for thermographic inspection

## LabIR® CONTROL

### ► **Main features:**

- point analysis for sampling more pixels (for smoothing noise)
- temperature monitoring by reference recording
- detailed control at the level of individual pixels
- temperature graph with the cursor showing the appropriate place in the thermogram
- exact error localization and quantification of severity
- input output communication, logging, prepared for integration into production lines
- detailed setting of tolerance from absolute values or the standard deviation of the reference frames



### ► **Software options and settings:**

#### **Camera settings**

- camera settings panel (the possibility of calibration, depending on the camera)
- the possibility of recording

#### **Images export**

- thermogram as an image (jpg, png), a series of images (jpg, png) or video (avi)
- thermogram only or thermogram with analyses
- export images from the selected time interval

#### **Temperatures export**

- export of temperatures from the whole thermogram or from a selected part to csv

#### **Graphs export**

- export graph to csv
- export area temperature over time (for min., max. and average temperatures)
- export the selected time interval

#### **Program customization**

- possibility of smoothing image
- selection of colour palettes
- temperature range settings
- thermographic parameter settings
- zooming in thermogram

#### **Analyses options**

- point, line, polyline, rectangle, ellipse, polygon
- display locations with minimum and maximum temperature
- temperature display by the cursor
- measurement of minimum, maximum, average and standard deviation
- differential image (the temperature difference compared to the selected image)
- calculation of the length or area of an analysis

#### **Graph options**

- display a graph of temperature over time
- display temperature profile of a line
- scale settings
- settings options for time units
- floating window (display the last time interval in the graph)

#### **System requirements**

- OS: Windows 7 and newer
- memory: 1 GB
- free hard disk space: 10 MB for the program, additional space for recording
- recommended processor: Intel Core i3

#### **External communication**

- via serial port RS-232



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