

Noncontact Temperature Measurement technology and applications Seminar

Aika ja paikka: **Torstai 5.3.2008, Profelec Oy, Särkiniementie 3, Helsinki**

Agenda:	9.00	Kahvi ja sämpylä	
	9.15	Opening and welcome. Profelec in brief.	Raimo Heikkinen
	9.30	The company presentation; Optric GmbH	Luc Lagorce Optris GmbH
	9.45	Basics of Noncontact temperature measurement <ul style="list-style-type: none">• Discovery of the infrared Radiation• Physical basics• The black Body• Radiation Principles of a black body• Infrared detectors	
	10.15	Coffee Break	
	10.30	Emissivity and temperature Measurement <ul style="list-style-type: none">• Temperature measurements of plastics• Temperature measurement of glass• Influence from the surroundings• Emissivity tables, selection criteria	
	11.00	Optics, sighting techniques and electronics <ul style="list-style-type: none">• Construction of the infrared thermometers• Optics and window• Latest trends in sighting techniques• The principle of the crosshairs	
	11.45	Lunch	
	12.30	An overview of different kind of portable instruments <ul style="list-style-type: none">• Advantages and benefits• Limitations• Applications and Demo	
	13.00	Online Infrared thermometers <ul style="list-style-type: none">• Advantages, Benefits and Limitations• Applications and Demo• Plastics processing• Glass processing• Paper processing• In printing plants• In laser welding and cutting processes• Measurements of electronic components	
	13.30	Coffee Break	
	13.45	Thermal Imagers <ul style="list-style-type: none">* Smart camera* Software of thermal imagers and thermographic solutions	
	14.15	Summary and Conversation.	All