



Measured Value	Method/Apparatus	Temperature °C	Material/Sample Size in mm/ml	Additional Information	Contact	Institute	e-mail	WWW
thermal diffusivity	laser flash	25 ... 2000	solids, melts Ø: 12.6 thickness: 1 ... 6		Dr. Rhena Wulf	TU Bergakademie Freiberg	Rhena.Wulf@iwtt.tu-freiberg.de	www.tu-freiberg.de
thermal diffusivity	laser flash	-190 ... 1500	solids Ø: 12.5 thickness: ~ 1.5		Frank Hemberger	ZAE Bayern	frank.hemberger@zae-bayern.de	www.zae-bayern.de
thermal diffusivity	laser flash	RT ... 1500	solids, melts Ø: 12.6 thickness: 2 ... 5		Dr. Erhard Kaschnitz	Österreichisches Gießerei-Institut	erhard.kaschnitz@ogi.at	www.ogi.at
thermal diffusivity	laser flash	RT ... 1200	solids Ø: 20 thickness: 2 ... 5		Alois Triessnig Gerhard Urbanek	RHI AG TC-Leoben	alois.triessnig@rhi-ag.com / gerhard.urbanek@rhi-ag.com	www.rhi-ag.com
thermal diffusivity	laser flash	10°C ... 1500	solids, powders, melts liquids, pastes Ø: 6 ... 25 h: 0.1 ... 8		Dr. Tim Gestrich	Fraunhofer IKTS Dresden	Tim.Gestrich@ikts.fraunhofer.de	www.ikts.fraunhofer.de
thermal diffusivity	laser flash	RT ... 2000	solids, powders, melts Ø: 12.7 thickness: 1 ... 6	atmosphere: air, inert gas, vacuum	Dr. Ewald Pfaff	IWM RWTH Aachen	e.pfaff@iwm.rwth-aachen.de	www.iwm.rwth-aachen.de
thermal diffusivity	transient hot bridge	-70 ... 220	solids, powders, pastes, fibres ...	solids: two sample halves, multiple sizes	Dr. Ulf Hammerschmidt	PTB Braunschweig		www.ptb.de
thermal diffusivity	laser flash	-190 ... 1500	solids Ø: 12.5 thickness: ~ 1.5	various atmospheres	Jan König	Fraunhofer IPM	jan.koenig@ipm.fraunhofer.de	www.ipm.fraunhofer.de
thermal diffusivity	laser flash	RT ... 2000	solids, powders, pastes, melts Ø: 6, 10, 12.7, 10 x 10 h: 0.1 ... 10	various atmospheres thermal conductivity $l = a \times c_p \times p$	Dr. Dirk Helm	Fraunhofer Institut für Werkstoffmechanik IWM	dirk.helm@iwm.fraunhofer.de	www.iwm.fraunhofer.de
thermal diffusivity	ring-gap apparatus	-40 ... 80	liquids 50 ml	pressure 0..100 bar thermal conductivity $\lambda = a \cdot C_p \cdot p$ explanation: http://pdf.aiaa.org/jaPreview/JTHT/2011/PVJA54343.pdf	Dr. Steffen Feja	ILK Dresden gGmbH	steffen.feja@ilkdresden.de	www.ilk-dresden.de
thermal diffusivity	laser flash	-150 ... 1600	solids in various dimensions, powders, pasts melts, liquids	$l = a \times c_p \times r$	Dr.-Ing. Wolfgang Hohenauer	AIT Austrian Institute of Technology	wolfgang.hohenauer@ait.ac.at	www.ait.ac.at
thermal diffusivity	laser flash	-150 ... 1600	solids in various dimensions, powders, pasts melts, liquids	$l = a \times c_p \times r$	DI (FH) Daniel Lager MSc	AIT Austrian Institute of Technology	daniel.lager@ait.ac.at	www.ait.ac.at