



Measured Value	Method/Apparatus	Temperature °C	Material/Sample Size in mm/ml	Additional Information	Contact	Institute	e-mail	WWW
enthalpy of transition	DSC - dynamic scanning calorimetry	RT ... 1500	solids, melts, liquids Ø: < 5 h: < 1		Frank Hemberger	ZAE Bayern	frank.hemberger@zae-bayern.de	www.zae-bayern.de
enthalpy of transition	DSC - dynamic scanning calorimetry	-90 ... 500	solids, melts, liquids Ø: < 4.5 h: < 1	temperature modulated dynamic scanning calorimetry - MDSC	Frank Hemberger	ZAE Bayern	frank.hemberger@zae-bayern.de	www.zae-bayern.de
enthalpy of transition	simultaneous DSC (DTA)	RT ... 1500	solids, powders, pastes, melts, liquids Ø: 7 h: 7 m: 500mg		Stephan Vidi	ZAE Bayern	stephan.vidi@zae-bayern.de	www.zae-bayern.de
enthalpy of transition	DSC - dynamic scanning calorimetry	RT ... 1200	solids, melts Ø: 6 thickness: 0.5 ... 2		Dr. Erhard Kaschnitz	Österreichisches Gießerei-Institut	erhard.kaschnitz@ogi.at	www.ogi.at
enthalpy of transition	dynamic scanning calorimetry - DSC or differential thermal analysis - DTA / DSC 404F1, STA449C, STA449F1, STA429	-160 ... 2400	solids, powders, melts, liquids Ø: 5 h: < 10		Dr. Tim Gestrich	Fraunhofer IKTS Dresden	Tim.Gestrich@ikts.fraunhofer.de	www.ikts.fraunhofer.de
enthalpy of transition	DSC	-45 ... 90°	liquids, solids	up to 20 bar	Dr. Steffen Feja	ILK Dresden gGmbH	steffen.feja@ilkdresden.de	www.ilkdresden.de
enthalpy of transition	DSC	-180 ... 750°	liquids, solids	1 bar	Dr. Steffen Feja	ILK Dresden gGmbH	steffen.feja@ilkdresden.de	www.ilkdresden.de
enthalpy of transition	µDSC VII dynamic scanning calorimetry	-45...90	liquids, solids	pressure 0..20 bar	Dr. Steffen Feja	ILK Dresden gGmbH	steffen.feja@ilkdresden.de	www.ilkdresden.de
enthalpy of transition	Q 200 dynamic scanning calorimetry	-180...750	liquids, solids	pressure up to 100 bar	Dr. Steffen Feja	ILK Dresden gGmbH	steffen.feja@ilkdresden.de	www.ilkdresden.de
enthalpy of transition	DSC - dynamic scanning calorimetry	RT ... 1600	solids, melts Ø: <5 h: <2	various atmospheres	Dr. Dirk Helm	Fraunhofer Institut für Werkstoffmechanik IWM	dirk.helm@iwm.fraunhofer.de	www.iwm.fraunhofer.de
enthalpy of transition	DSC - dynamic scanning calorimetry	-120...1600	solids in various dimensions, powders, pasts, liquids		Dr.-Ing. Wolfgang Hohenauer	AIT Austrian Institute of Technology	wolfgang.hohenauer@ait.ac.at	www.ait.ac.at
enthalpy of transition	DSC - dynamic scanning calorimetry	-120...1600	solids in various dimensions, powders, pasts, liquids		DI (FH) Daniel Lager MSc	AIT Austrian Institute of Technology	daniel.lager@ait.ac.at	www.ait.ac.at