

Methods, IMC, Mülhaupt

High Frequency Mechanical Spectrometer Mechanical Spectroscopy, Rheometry	Model: PARV, IdM University Ulm Unit and Room: FMF, second floor,R02015 Responsible: Dr. Yasmin Korth, 203 4783 Further information: http://www.fmf.uni-freiburg.de/service/servicegruppen/sg_rheol/service/index_html	
Short Description: Mechanical Spectrometer for linear viscoelastic properties of matter in kHz and MHz range Available Experiments/Techniques: Dynamic moduli and related material functions in oscillatory axial or radial shear flow	Picture of the Equipment 	
Special Equipment: Temperature unit for RT up to 250 °C		
Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☒ Students after extensive training ☒ Trained scientific service personal	
Recent Publications, where this instrument was important (optional): Give citation	K.M. Mattes, R. Vogt, C. Friedrich Analysis of the edge fracture process in oscillation for polystyrene melts Rheol Acta 47 (2008), 929-942	
Typical problems that may be solved with this instrument:	-Structure-rheological properties relationships for polymeric materials, including composites, ionic & molecular liquids near their T_{gs}. -Determination of characteristic viscositis and moduli of matter, relaxation time spectra	