Hall-Effect	Model: Unit and Room: Responsible: Further information:	FMF model FMF, 3rd floor, R. 03006 Dr. M. Fiederle, 203 4775 www.fmf.uni-freiburg.de/service/ servicegruppen/sg_matchar/chat/
Short Description:		Picture of the Equipment
 Measurements of resistivity, carrier concentration and carrier mobility of solid state samples Available Experiments/Techniques: Mappings of resisitivity for samples up to 100 mm diameter Measurements of resitivities from 10⁵ 		
Ohmcm up to 10 ¹² Ohmcm - Probe station for vacuum and inert gas		A REAL PROPERTY AND A REAL
Special Equipment:		
Temperature controlling (4 K up to 350 K) Bias voltages up to 1100 V Measurements for very low currents (fA) and low voltage (μ V) Measurements of high resistivity samples up to 10 ¹² Ohmcm		
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		
Typical problems that may be solved with this instrument:		 Measurements of resistivity. charge carrier concentration and charge carrier mobility Indentifcation of impurities and defects

Methods, FMF, Fiederle