

A device for the magnetic materials properties determination has a magnet with a gap between its poles, the profile tips, fixed at the magnet poles, a test chamber, which, while in operation, is disposed between the profile tips, the chamber thermostatic system, a carrier with the clamp of the sample under test, which is disposed in the chamber in symmetry to the profile tips, a sample interaction with the magnetic field force transducer into a value to be measured, and a means to measure the value. The sample interaction with the magnetic field force transducer into the measured value is made as self exciting vibration generator with piezoelectric stabilization. The sample carrier is made as resonator to set frequency of the self exciting generator and as a part of it, and the sample clamp is disposed on the free surface of the piezoelectric resonator.