

The invention relates to area of non-destructive control, in particular to control of quality of electro-technical materials, and can be used for determination of power losses in articles made of metal or super-conductive materials. Appliance for determination of power losses in electro-technical materials includes rotor installed in stator on magnetic support, system for rotor winding and system for control of parameters of rotor rotation that inductively interact with drive magnet included to set of rotor. The rotor is placed vertically and includes source of magnetic field installed on upper end of the rotor. Magnetic support includes permanent magnet installed in stator at lower end of the rotor.