

Electrodynamic vibrator contains magnetic circuit with the field bias coil, dc power supply of « U_n » value, moving coil mounted in the air gap of magnetic circuit, driving oscillator, boosting unit, first, second, third and fourth adders, current amplifier, first and second differentiators, first, second, third, fourth and fifth voltage amplifiers, feedback path containing series-connected the displacement pickup of the transfer table with tested object and feedback unit. In this case, the device additionally contains the displacement pickup of moving coil with excitation winding, third and fourth differentiators, sixth voltage amplifier, phase discriminator, sign-sensitive element, first and second switchboards.