

The invention relates to electrical and electronic measurement technology and can be used to measure the impedance components in Cartesian coordinates.

The impedance meter contains a signal generator (1), connected in series with a resistor (2), an impedance converter (5) with an arbitrary nonzero pre-initial value of the reactive component of the reproduced impedance and with two inputs for independent regulation of active and reactive components of the reproduced impedance and two outputs, two terminals (3, 4) for connecting the measured object, connected, respectively, to the free terminal of the resistor (2) and to one output of the converter (5), as well as an amplifier (6), having one input connected to the common point of the resistor (2) and terminal (3). One output terminal of the signal generator (1), the second output of the converter (5) and the second input of the amplifier (6) are connected to the mass. The impedance meter also includes a phase meter (7) connected with the signal input to the output of the amplifier (6), and with the reference input - to the reference point of the converter (5), in which the signal phase coincides with the voltage drop phase across the reactive component of the reproduced impedance.

Claims: 1

Fig.: 1

