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The invention relates to measuring equipment and radio engineering and can be used to measure with high precision impedance components.

The impedance meter contains a signal generator (1), connected in series to a resistor (2), an impedance converter (5) with two output contacts and two inputs, having one output contact connected to one output terminal of the generator (1) to the common wire, two terminals (3, 4) to connect the measured object, connected respectively to the second contact of the resistor (2) and the second output contact of the converter (5), an amplifier (6), having one input contact connected to the common point of resistor (2) and terminal (3) to connect the measured object, and the second output contact – to the common wire, two comparators (7, 8), having their inputs connected respectively to the output of the amplifier (6) and to a reference point of the converter (5), and a control unit (9) with two outputs, connected to the inputs of the converter (5). As an impedance converter (5) is used a converter with independent regulation of active and reactive components of the reproducible impedance, and as a reference point of the converter (5) is used the point of the converter circuit, in which the signal phase coincides with the phase of voltage drop across the reactive component of the reproducible impedance. The control unit (9) is provided with two inputs, connected to the outputs of the comparators (7, 8).

Claims: 1
Fig.: 1