

The invention relates to the electrical and electronic measuring equipment and can be used for automatic high-precision measurement of admittance components.

The admittance meter contains a signal generator (1), an admittance converter (5) with two output contacts, two inputs (6, 7) and a reference input (8), two terminals (3, 4) for the connection of the measured object, the first terminal (3) is connected to the first output contact of the converter (5), and the second terminal (4) has the first output pole of the generator (1) and the second output contact of the converter (5) connected to the common wire, as well as a control unit (10) with a signal input (11), a reference input, connected to the reference contact (8) of the converter (5) and two outputs connected to the inputs of the converter (5). The admittance meter contains additionally a resistor (2), having its first pole connected to the second output pole of the generator (1) and the second pole – to the first output contact of the converter (5); a differential amplifier (9) with two inputs connected accordingly to the poles of the resistor (2) and an output connected to the signal input (11) of the control unit (10). The converter (5) provides for the independent control of the active and reactive components of the reproduced admittance through inputs (6, 7). As reference contact (8) is used the inner contact of the converter (5) in which the voltage phase coincides with the current phase passing through the reactive component of the reproduced admittance.

Claims: 1

Fig.: 1

