

The invention relates to the measurement engineering and may be used for automatic high accuracy measurement of admittance and impedance components.

The admittance measuring device comprises a signal generator (1) with two outputs, a converter (4) with two inputs (5, 6), two outputs and a reference contact (7), the first output of the generator (1) and the first output of the converter (4) are connected to the common wire, two terminals (2, 3) for connection of the measuring object, the first terminal (2) being connected to the second output of the converter (4), as well as a control unit (8) with a signal input (10), a reference input, connected to the reference contact (7) of the converter (4) and with two outputs connected to the inputs (5, 6) of the converter (4). The device additionally comprises a voltage-to-current converter (9) with two differential inputs, one of which is connected to the second output of the generator (1), the second being connected to the first terminal (2) for connection of the measuring object, and with an output, connected to the input (10) of the control unit (8), the second terminal (3) for connection of the measuring object is connected to the common wire.

As converter (4) is used an admittance converter exercising the reproduced admittance module and phase separate control through inputs, and as reference contact (7) of the converter (4) serves a point of the converter (4) circuit, wherein the signal phase coincides with the admittance current phase reproduced by the converter (4).

Claims: 2

Fig.: 1

