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The invention relates to the electrical and electronic measuring technique and can be used for high-precision measurement of admittance components in polar coordinates.
The admittance meter includes a signal generator (1), having one output contact connected to the common wire, an admittance converter (4) with two output contacts, two inputs for independent regulation of modulus and phase of the reproduced admittance and a reference contact, wherein the voltage phase coincides with the current phase through the reproduced admittance, a current-voltage converter (5), and two terminals (2) and (3) for connecting the measuring object, the first terminal (2) being connected to the first output contact of the admittance converter (4) and to the input of the current-voltage converter (5). The admittance meter further contains a phase meter (6) connected with the reference input to the reference contact of the admittance converter (4). The current-voltage converter (5) is made with an asymmetric input relative to the common wire and has its output connected to the signal input of the phase meter (6). As admittance converter (4) is used a floating admittance converter with preset values of the modulus and phase of the reproduced admittance equal to, respectively, the range maximum value and 180°, having its second output contact connected to the second terminal (3) and the second output contact of the generator (1).

Claims: 1
Fig.: 1