

In the proposed device for measuring the resistance of a high-resistance electric load, a measurement method is used that consists in comparing the resistance to be measured with the resistance of a reference resistor while periodically changing the configuration of the device circuit. For this purpose, to the device containing a measuring amplifier with an amplitude detector and an indicator, the following units are added: high-resistance and low-resistance reference resistors, a low-resistance bridge, a multivibrator, and a selective amplifier adjusted to the frequency of periodically changing the configuration of the device circuit, which are accordingly connected to the device circuit elements. The present invention provides the possibility to match the load with the reference resistance by the zero indication of the indicator, and as a result, to increase measurement accuracy.