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The invention relates to the electro-measuring and electronic computer engineering and is destined for the utilization as a programmed ambiquous measure of the electric resistance - accurate code converter into the resistance, applied in the automatic calibration test and the parameters control of the electronic instrumentation systems. The invention allows to product direct proportional dependence reproduced by the resistance measure from the transmission code controlled voltage divider gain and to simplify the declared resistance measure control, to increase the speed and the limits of the measure indications. This is attained at the expense of the fact, that the signal input of the controlled voltage divider is connected with the general leads of the operational amplifiers and the second lead of the model resistor, but the general lead of this divider is connected with the output and the inverting input of the first operational amplifier.