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The invention relates to the measuring technology and may be applied for information coding represented by the resistance of the resistance and quiresistance transducers.

The substance of the invention is the rise of the measurements speed, accuracy and reliability by the production of a more simple and convenient relation between the resistance and co-ordinate scale and the reduction of the measuring circuit composition. For that a dependent change current source 5 is introduced into the tester, but the measure-resistor 4 is incorporated in the circuit as is showed in the drawing. The device also contains the power supply 1, the voltage divider 2, the null detector 3, resistor-transducer 6, the terminals 7-13. The measuring circuit of this device may be used in conjunction with the microelectronic computer for the correction input, for the account of the volt-ampere non-linearity of the scale resistors.