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The invention relates to the measuring engineering.

The resistance bridge for a high voltage resistor comprises a comparison branch (1) including a measuring resistor (2) and a balancing arm (3), a relation branch (4) including high and low voltage arms (5) and (6) correspondingly, an accessory chain of equal in resistance resistors (8), 9, with wrenches 10, 11, a power supply (12), a null-indicator (13).

The bridge has a high measuring speed of response at the simplification of the resistance relation calibration of high and low voltage arms (5) and (6).