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The invention relates to the electrical measurements and may be applied for the transmission of the electrical resistance unit from the primary standard to the collective standards.

The adjustment method of the voltage divider, for example two-armed, consists in the following: is measuring the resistance of the first reference arm of the voltage divider (VD), is formed the second arm of three resistive stages (RS), the first RS being equal by the value with the resistance value of the first VD reference arm, the second RS is formed of n resistors, each of them having the resistance value $p \times R_0$, the third RS is formed of p resistors, each of them having the resistance value $(n + p)R_0$, where R_0 is the resistance of the first reference arm,

$$n = (N - p^2)/2p$$

or the even summ $N + p$ and

$$n = (N - p^2 - 1)/2p$$

for the odd summ $N + p$, where N is the natural number, $N > 2$, $p = 1, 2, 3, \dots$, is measuring the resistance of the second reference arm of the VD up to the value, equal with the resistance of the first reference arm of the VD, by changing the resistance of the RS, then is formed definitely the second reference arm of the VD in the form of a chain of all resistors of the stages thereof.

The method increases the VD adjustment accuracy for the division coefficients.

Claims: 1

Fig.: 2