

The invention relates to the electrical engineering, particularly transformer engineering, and can be applied during testing of single-phase high-voltage transformers.

The method for testing the single-phase voltage transformers consists in that the secondary voltage of the tested transformer and the voltage of the standard measuring instrument are divided and then they are compared, at the same time the rated division factors of the standard and output voltages are chosen equal to the rated division factor of the standard measuring instrument.

The installation for testing the single-phase voltage transformers comprises the tested transformer and a standard measuring instrument, connected to the testing voltage, and a comparator. As standard measuring instrument is used a division unit, including a high-voltage arm, consisting of a resistor, and a low-voltage arm, consisting of two identical nonreactive low-voltage dividers with controllable division factors, each consisting of two resistors. The output winding of the tested transformer is connected to the second nonreactive low-voltage divider, and the comparator is connected between the resistors of the nonreactive low-voltage dividers.

Claims: 4

Fig.: 1