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Review of MIKO-7A

Dear Olga Nikolaevna!

Currently, one MIKO-7MA instrument is used in the electrotechnical laboratory of the power plant of JSC "Organika."

There have been no shortcomings or low-quality components of the instrument since October 2021.

The MIKO-7MA instrument is used for diagnostics of 10/0.4 kV power transformers, current and voltage transformers, electric motors, contacts, and contact connections of power circuits, and for measuring DC resistance.

MIKO-7A is easy to operate; it has a simple and intuitive interface, automatic discharge of inductance after measurement, and automatic setting of the measuring current. It has a convenient and easy-to-read display, a light weight, and a built-in battery, so the process of measurement is fast. Measurements could be carried out both from the ground and from the lift cradle due to the large length of cables and the large jaws of Kelvin clamps.

The best functions are automatic discharge of the inductance after measurement, automatic setting of the measuring current, and protection against EMF self-induction. High accuracy of results and a large measurement range allow for more precise calculations.

With the help of MIKO-7MA, defects in the NLTC were detected, caused by the closing contacts high degree of oxidation in power transformers of 10/0.4 kV.

In comparison to old Wheatstone bridges like the MO-62 or P333 devices, the MIKO-7MA milli-ohmmeter has a very big advantage. Reproducing a device connection circuit and the process of measurements using the MIKO-7A instrument is ten times faster. Also, energy independence and energy efficiency (the MIKO-7MA has a built-in battery), automatic inductance discharge after measurement, compactness, and light weight — all that characteristics allow to only one employee makes measurements, it certainly brings a positive economic effect.

The MIKO-7MA milli-ohmmeter can be recommended for carrying out diagnostics of electrical equipment in various organizations.

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Head of Electrical Laboratory



A.N. Khomyakov