

№ _____ «__» 20__ г.

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ATTN: O.N.Ekaterinina
DirectorGeneral
of SKB EP, LLC

Review of PKR-2M operation

Dear Olga Nikolaevna!

In response to your request, I may inform you of the following.

PKR-2M for OLTC diagnostic of power transformers that is manufactured by SKB EP, LLC has been operating in the Stavropolenergo, the branch of Rosseti Northern Caucasus, PJSC since December 2018.

The instrument was purchased to check the technical condition all types of OLTC devices (both resistor and reactor) and to analyze OLTC devices with current-limit resistors without removing the contactor tank cover.

During the operation of PKR-2M, it was concluded:

- The main advantage is the possibility of simultaneous obtaining circular diagram and oscillography using a button which is located in the motor drive cubicle of OLTC (local control).
- The presence of a built-in battery that increases its mobility.
- Due to the user-friendly interface, it is possible to evaluate measurement results directly on the working place.
- It saves more time for diagnostic of electrical equipment in comparison with the previous measurement methods. The accuracy of determining defects also increases. With the help of the instrument, malfunctions and the wear of arc-extinguishing OLTC contacts were detected as well as time parameters of power transformer contactor deviation.

Taking above mentioned facts into consideration, PKR-2M produced by SKB, LLC can be recommended for mass use.

Acting First Deputy Director –
Chief Engineer

A.G. Glushko