



ROSSETI

Branch of Interregional
Distribution Grid Company of
North-West, PJSC

Vologda Electric Networks Production
Department of the Vologda Branch of
Interregional Distribution Grid Company
of North-West, PJSC
61 Gilyarovskiy Street, Vologda
Vologda region, 160014
www.vologdaenergo.mrsksevzap.ru

тел.: +7 (8172) 76-83-59
факс: +7 (8172) 76-83-16 e-mail:
office@vs.vologdaenergo.ru

Review of the instruments

05.03.2021

№ МП/2-18/1168

ATTN: O.N. Ekaterinina
Director General of
SKB EP, LLC
skb@skbpribor.ru

Dear Olga Nikolaevna!

We thank SKB EP, LLC for effective and mutually beneficial cooperation lasted for more than 10 years. SKB EP, LLC has established itself as a reliable partner and manufacturer of instruments and complete sets during the time of cooperation.

I would like to inform you that the production department of the Vologda Electric Networks uses such instruments manufactured by SKB EP, LLC as PKV/M7, MIKO-1 and manipulating rod.

These instruments are used for diagnostic of the high-voltage circuit breakers both produced in our country (VMT-110, MKP-110, VT-35, S-35) and abroad (LTB-145), and for measuring contact resistance of various switching devices. During the time of use, these instruments have proven themselves from the best side. Use of the PKV/M7 allowed realising non-demountable detection of the circuit breakers internal defects.

The instrument is very simple and easy to operate, it allows to control the main characteristics of high-voltage circuit breakers. During repair, the main malfunction that were detected by the instrument was time difference between the contacts closing. When analyzing the speed characteristics, speed dips were detected, that indicated the presence of jamming, mashing in the mechanism and necessity of repairing.

Before this instrument was gotten, all the characteristics of the circuit breakers had to be checked with mandatory disassembly, that increased the repair time. Use of the PKV/M7 instrument with a manipulating rod can significantly reduce time for checking of the characteristics of both column and tank circuit breakers of 110 kV, and also eliminates the need for scaffolding or the use of lifting mechanism to conduct these works.

MIKO-1 instrument is a reliable and time-tested digital micro-ohmmeter that allows you to measure the equipment contact resistance in almost any weather conditions.

The products manufactured by you are reliable and time-tested instruments which are used at the facilities of the production department of Vologda Electric Networks.

Over the past time of exploitation, there were no major comments on the operation of the instruments.

We would also like to note the high professionalism of your company's specialists, who are always ready to provide qualified assistance and find solutions to issues arising when working with instruments.

We sincerely hope that in the future you will still remain on the list of our partners.

A handwritten signature in blue ink, consisting of several overlapping loops and strokes, positioned above the name Y.P. Tsiberny.

Chief Engineer

Y.P. Tsiberny

Zalata V.V.
Kuzikov A.N.
(8172)76-83-31