

«ЭЛЕКТР ЖЕЛІЛЕРІН БАСҚАРУ
ЖӨНІНДЕГІ ҚАЗАҚСТАН
КОМПАНИЯСЫ» «KEGOC»
(KAZAKHSTAN ELECTRICITY GRID
OPERATING COMPANY) АҚ



АО «КАЗАХСТАНСКАЯ КОМПАНИЯ
ПО УПРАВЛЕНИЮ
ЭЛЕКТРИЧЕСКИМИ СЕТЯМИ»
(KAZAKHSTAN ELECTRICITY GRID
OPERATING COMPANY) «KEGOC»

Z00T2D0, Қазақстан Республикасы
Нұр-Сұлтан қ. Тәуелсіздік даңғылы, 59 пинарат
Тел.: (7172) 693-824,690-203 Факс:8 (7172) 211-108
E-mail: kegoc @kegoc.kz

Z00T2D0 Республика Казахстан,
г. Нур-Султан, проспект Тәуелсіздік здание 59
Тел.: (7172) 693-824,690-203 Факс:8 (7172) 211-108
E-mail: kegoc @kegoc.kz

Our ref. 01-09-08/8305 of 15.11.2021

SKB EP, LLC

Review of instrument operation

Nowadays, KEGOC, JSC uses 28 instruments produced by SKB EP, LLC to check electrical equipment parameters and find defects (PKV - 15 pcs., MIKO - 10 pcs., PKR - 2 pcs., PUV- 1 pcs.).

PKV/M7 instruments are actively used to measure speed and time parameters of high-voltage circuit breakers of all types and voltage classes (it has a set of attachment devices for use on SF6 circuit breakers manufactured by Siemens, ABB, Areva). PKV/M7 software makes it possible to create and maintain an archive of measurements, including the ability to enter factory test data, consequently, that allows you to conduct a primary analysis of the equipment diagnostic results directly at the workplace. The instrument has shown itself to advantage, it is convenient to use (especially when working together with the control panel of PUV-50), it allows you to reduce the labor costs of repair personnel.

MIKO instruments have been used for ten years. Besides simplicity in operation and small dimensions, they have proven themselves to be precise and reliable tools in measuring contact resistance to electric current. During operation, it is used on almost all equipment with a voltage above 10 kV. The instrument is convenient to operate, easy to handle and has an autonomous power supply.

PKR-2M instruments have been used since 2019. The use of this instrument allows you to significantly reduce the time spent on the repair of the autotransformer and spent resources, because the switch is analyzed without opening, draining the oil and disassembly of the contactor. The presented information is very convenient as well as the storage of measurement results in graphical or tabular form in the instrument memory.

Based on operational experience, KEGOC, JSC recommends instruments manufactured by SKB EP, LLC to organizations working in the electrical equipment maintenance and adjustment.

**Director
of Operations Department**

B. Arystanov

The document was signed by the ECP NUC RK (electronic signature).

Arystanov B.P. (Department Director)

This electronic document was signed using an electronic signature.

A positive result of electronic signature verification was determined

Supervisor Baurzhan Arystanov